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Introduction

Fuel	Designation			
Engine oil	Grade			
	Viscosity			
Tyre pressure		Tyre size	Front	Rear
	Summer tyres			
	Winter tyres			
Weights				
	Gross vehicle weight rating			
	- Kerb weight, basic model			
	- Additional weight			
	- Heavy accessories			
	= Loading			

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Vehicle specific data

Please enter your vehicle's data on the previous page to keep it easily accessible. This information is available in the sections "Service and maintenance" and "Technical data" as well as on the identification plate.

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

You must always comply with the specific laws and regulations of the country that you are in. These laws may differ from the information in this Owner's Manual.

When this Owner's Manual refers to a workshop visit, we recommend your Opel Service Partner.

All Opel Service Partners provide first-class service at reasonable prices. Experienced mechanics trained by Opel work according to specific Opel instructions.

The customer literature pack should always be kept ready to hand in the vehicle.

Using this manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.**
- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each section shows where the information is located.
- The index will enable you to search for specific information.
- This Owner's Manual depicts left-hand drive vehicles. Operation is similar for right-hand drive vehicles.
- The Owner's Manual uses the factory engine designations. The corresponding sales designations can be found in the section "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- The vehicle display screens may not support your specific language.
- Display messages and interior labelling are written in **bold** letters.

Danger, Warnings and Cautions

⚠Danger

Text marked ⚠**Danger** provides information on risk of fatal injury. Disregarding this information may endanger life.

Back to overview

⚠Warning
Text marked ⚠**Warning** provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution
Text marked **Caution** provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

Symbols

Page references are indicated with ⇨. ⇨ means "see page".

We wish you many hours of pleasurable driving.

Adam Opel GmbH

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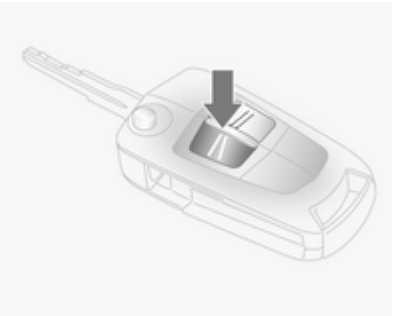
In brief

Initial drive information

Vehicle unlocking



Press button ⥱ to unlock the doors and load compartment. Open the doors by pulling the handles. To open the tailgate, operate button above number plate.

Radio remote control ⇨ 18, Central locking system ⇨ 20, Load compartment ⇨ 22.

Seat adjustment

Seat positioning

Pull handle, slide seat, release handle.

Seat position ⇨ 33, Seat adjustment ⇨ 34.

⚠Danger

Do not sit nearer than 25 cm from the steering wheel, to permit safe airbag deployment.

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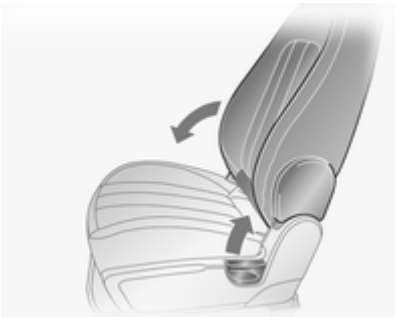
Seat backrests



Pull lever, adjust inclination and release lever. Allow the backrest to engage audibly. Do not lean on the seat backrest whilst adjusting it.

Seat position ⇨ 33, Seat adjustment ⇨ 34.

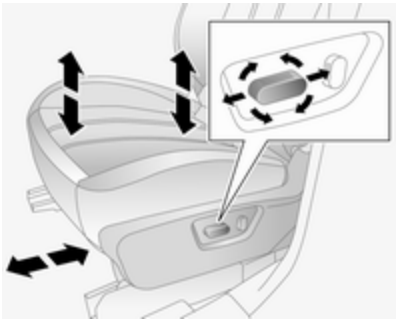
Seat height

Lever pumping motion

up = seat higher
down = seat lower

Seat position ⇨ 33, Seat adjustment ⇨ 34.

Power seat adjustment



Operate switches.

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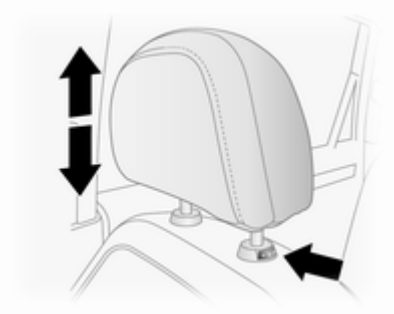
Positioning	=	move front switch forwards/backwards
Height of front part of seat	=	move front part of front switch upwards/ downwards
Height of rear part of seat	=	move rear part of front switch upwards/ downwards
Height of entire seat	=	move entire front switch upwards/ downwards
Backrest	=	move upper part of rear switch forwards/backwards

Seat position ⇨ 33, Power seat adjustment ⇨ 35.

Head restraint adjustment



Press release button, adjust height and engage.

Head restraints ⇨ 32.

Seat belt

Pull out the seat belt and engage in belt buckle. The seat belt must not be twisted and must fit close against the body. The backrest must not be tilted back too far (maximum approx. 25 °).

To release belt, press red button on belt buckle.

Seat position ⇨ 33, Seat belts ⇨ 39, Airbag system ⇨ 42.

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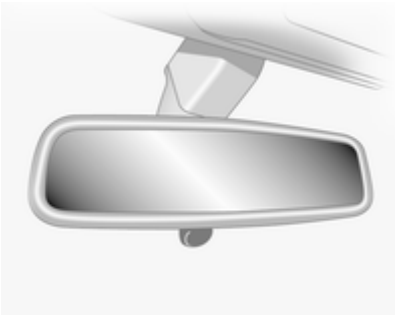
Mirror adjustment

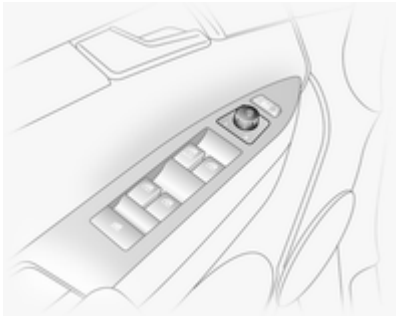
Interior mirror



To reduce dazzle, adjust the lever on the underside of the mirror housing.

Interior mirror ⇨ 28, Automatic anti-dazzle interior mirror ⇨ 28.

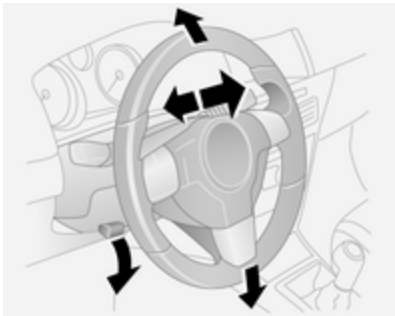
Exterior mirrors



Select the relevant exterior mirror and adjust it.

Convex exterior mirrors ⇨ 26, Electric adjustment ⇨ 26, Folding exterior mirrors ⇨ 27, Heated exterior mirrors ⇨ 27, Automatic anti-dazzle exterior mirrors ⇨ 28.

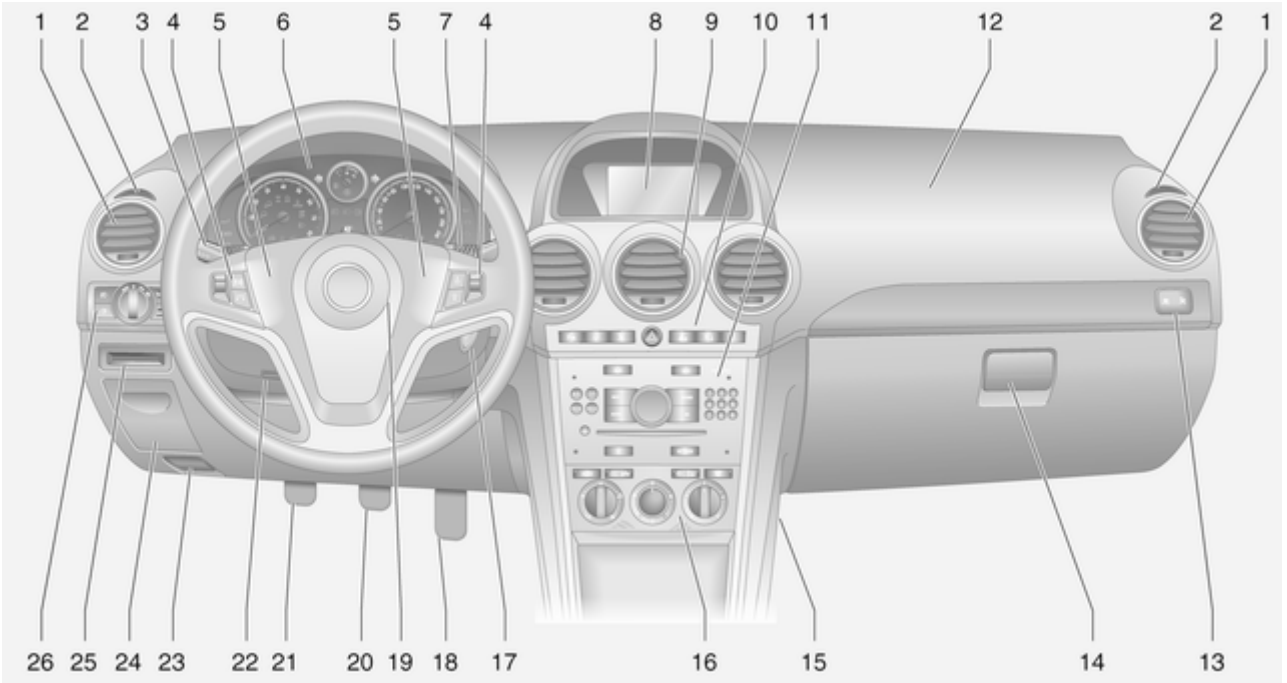
Steering wheel adjustment



Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked.

Do not adjust steering wheel unless vehicle is stationary and steering wheel lock has been released.

Airbag system ⇨ 42, Ignition positions ⇨ 120.



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Instrument panel overview

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2 Fixed air vents 117
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Headlight flash 103
Turn and lane-change signals 105
Exit lighting 109
Parking lights 106
Cruise control 87
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Trip computer 97
5 Horn 71
6 Instruments 77
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Rear window wiper and washer system 73
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25 Card holder 53
26 Light switch 102
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Instrument illumination 107
Rear fog light 106
Front fog lights 105
Headlight range adjustment 103

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Exterior lighting

Turn light switch

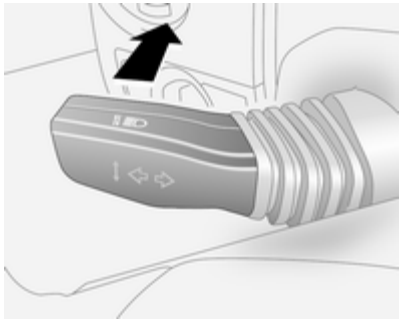
AUTO = Automatic light control: Headlights are switched on and off automatically.
0 = Off (or deactivation of automatic light control)
= Sidelights
= Headlights

Press button

= Front fog lights
= Rear fog light

Lighting ⇨ 102.

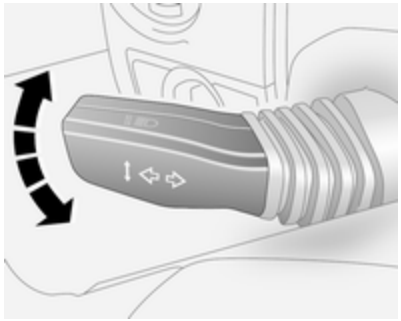
Headlight flash, high beam and low beam



headlight flash = pull lever
high beam = push lever
low beam = pull lever back towards steering wheel

Automatic light control ⇨ 102, High beam ⇨ 103, Headlight flash ⇨ 103.

Turn and lane-change signals



right = lever up
left = lever down

Turn and lane-change signals ⇨ 105, Parking lights ⇨ 106.

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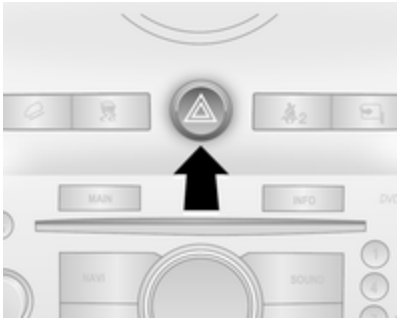
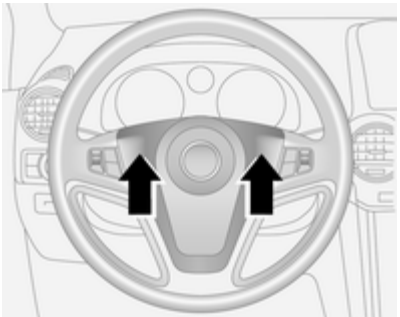
Hazard warning flashers



Operated with the ⚠ button.

Hazard warning flashers ⇨ 104.

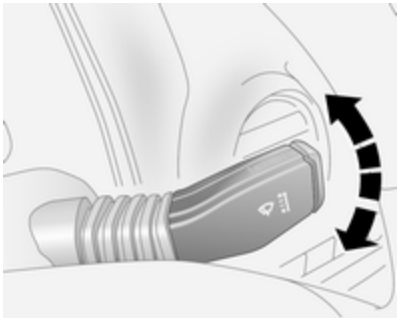
Horn



Press .

Washer and wiper systems

Windscreen wiper



= fast
= slow
= timed interval wiping or automatic wiping with rain sensor
= off

For a single wipe when the windscreen wiper is off, press the lever down.

Windscreen wiper ⇨ 71, Wiper blade replacement ⇨ 152.

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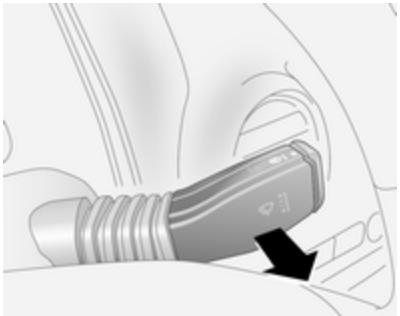
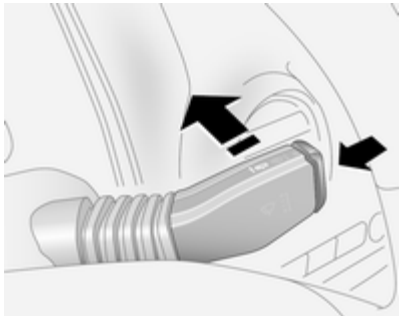
Windscreen and headlight washer systems



Pull lever.

Windscreen and headlight washer system ⇨ 71, Washer fluid ⇨ 149.

Rear window wiper and washer system



Wiper on = push lever
Wiper off = pull lever
Wash = press and hold button

Rear window wiper and washer system ⇨ 73, Wiper blade replacement ⇨ 152, Washer fluid ⇨ 149.

Climate control

Heated rear window, heated exterior mirrors

Heating is operated by pressing the button.

Heated rear window ⇨ 30, Heated exterior mirrors ⇨ 27.

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Demisting and defrosting the windows

Air distribution to .

Cooling and air recirculation are switched on automatically to improve defrosting efficiency.

Set temperature to highest level.

Set fan speed to highest level.

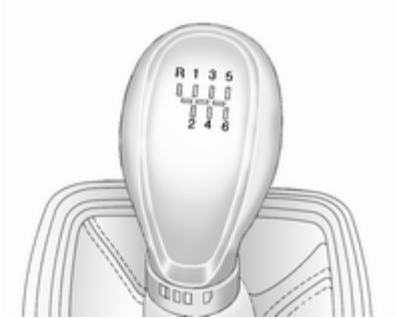
Switch on heated rear window .

Close centre air vents, open side air vents and direct them towards the door windows.

Climate control system ⇨ 113.

Transmission

Manual transmission



Reverse: with the vehicle stationary, depress clutch pedal and engage the gear.

If the gear does not engage, set the lever to neutral, release the clutch pedal and depress again; then repeat gear selection.

Manual transmission ⇨ 127.

Automatic transmission

P = park
R = reverse
N = neutral
D = drive

Manual mode: move selector lever from **D** to the left.

+ = higher gear
− = lower gear

The selector lever can only be moved out of **P** when the ignition is on and the foot brake is applied. To engage **P** or **R**, push the release button.

Automatic transmission ⇨ 123.

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Starting off

Check before starting off

- Tyre pressure and condition ⇨ 169, ⇨ 195.
- Engine oil level and fluid levels ⇨ 147.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of mirrors, seats, and seat belts ⇨ 26, ⇨ 33, ⇨ 40.
- Brake function at low speed, particularly if the brakes are wet.

Starting the engine

- Turn key to position **ACC**
- move the steering wheel slightly to release the steering wheel lock
- manual transmission in neutral
- operate clutch and brake pedals
- automatic transmission in **P** or **N**
- do not accelerate
- diesel engines: turn key to **ON** for preheating and wait until control indicator extinguishes
- turn key to **START** and release

Starting the engine ⇨ 120.

Parking

- Always apply the electrical parking brake.

  Pull switch Ⓟ.

  For maximum force, e.g. parking with a trailer or on inclines, pull switch Ⓟ twice.
- Switch off the engine and turn the ignition key to position **LOCK**, push key into ignition switch and remove.

  Turn the steering wheel until the steering wheel lock is felt to engage.

  For vehicles with automatic transmission, depress foot brake and shift into **P** before pushing key into ignition switch and removing.
- If the vehicle is on a level surface or uphill slope, engage first gear or move the selector lever to **P** before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb.

  If the vehicle is on a downhill slope, engage reverse gear or move the selector lever to **P** before switching

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off the ignition. Turn the front wheels towards the kerb.

- Lock the vehicle with button ⚌ on the radio remote control ⇨ 20 and activate the anti-theft alarm system ⇨ 23.
- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Close windows and sunroof.
- Switch off exterior lights, otherwise the headlight warning device will sound when the driver's door is opened.
- The engine cooling fans may run after the engine has been switched off ⇨ 146.
- After running at high engine speeds or with high engine loads, operate the engine briefly at a low load or run in neutral for approx. 1 or 2 minutes, before switching off in order to protect the turbocharger.

Keys, locks ⇨ 18, Laying the vehicle up for a long period of time ⇨ 145.

Keys, doors and windows

Keys, locks 18
Doors 22
Vehicle security 23
Exterior mirrors 26
Interior mirrors 28
Windows 29
Roof 31

Keys, locks

Keys

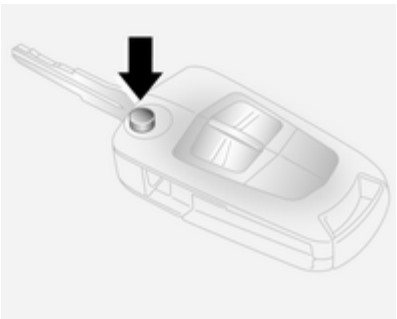
Replacement keys

The key number is specified in the Car Pass or on a detachable tag.

The key number must be quoted when ordering replacement keys as it is a component of the immobiliser system.

Locks ⇨ 182.

Key with foldaway key section



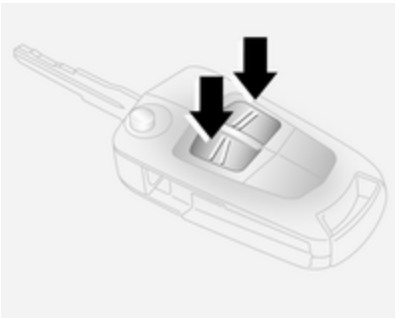
Press button to extend. To fold the key, first press the button.

Car Pass

The Car Pass contains security related vehicle data and should therefore be kept in a safe place.

When the vehicle is taken to a workshop, this vehicle data is needed in order to perform certain operations.

Radio remote control



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Used to operate:

- Central locking system
- Anti-theft locking system
- Anti-theft alarm system

The radio remote control has a range of approx. 6 metres. This range can be affected by outside influences. The hazard warning flashers confirm operation.

Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

Fault

If the central locking system cannot be operated with the radio remote control, it may be due to the following:

- Range exceeded.
- Battery voltage too low.
- Frequent, repeated operation of the radio remote control while not in range, which will require reprogramming. Seek the assistance of a workshop.
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time.
- Interference from higher-power radio waves from other sources.

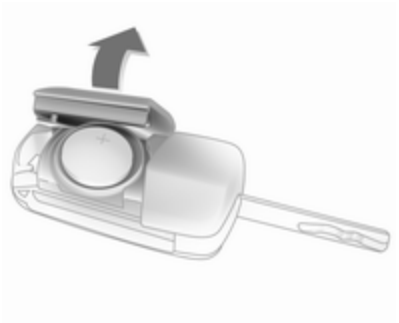
Unlocking ⇨ 20.

Radio remote control battery replacement

Replace the battery as soon as the range reduces.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

Key with foldaway key section



Extend the key and open the unit. Replace the battery (battery type CR2032), paying attention to the installation position. Close the unit.

Key with fixed key section

Open the unit with a small screwdriver in the notch on the cover. Replace the battery (battery type CR2032), paying attention to the installation position. Close the unit.

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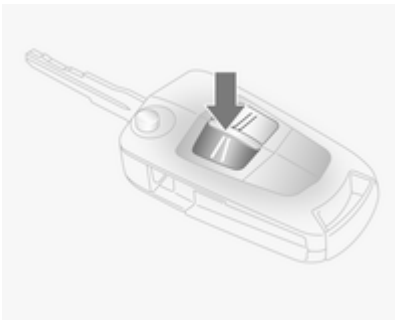
Central locking system

Unlocks and locks doors, load compartment and fuel filler flap.

Note
In the event of an accident of a certain severity, the vehicle unlocks automatically.

Unlocking



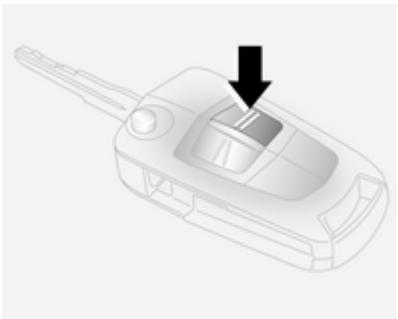
Press button ⧦.

Note
If no door is opened within 5 minutes after the vehicle has been unlocked, the vehicle is relocked automatically (and the anti-theft alarm is reactivated).

When button ⧦ is pressed, the instrument panel illuminates for approx. 30 seconds or until ignition switch is turned to position **ACC**.

Locking

Close doors, load compartment, fuel filler flap, bonnet, windows and sunroof.

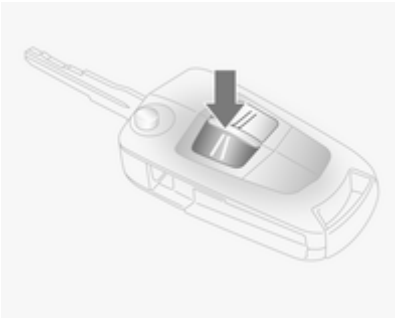


Press button ⧧.

The central locking system can be activated with the windows open.

Note
For safety reasons, the vehicle cannot be locked or unlocked via the remote control (and the anti-theft systems will not be activated) if the key is in the ignition switch.

Unlocking the tailgate



Press button ⧦.

The tailgate is unlocked together with the doors.

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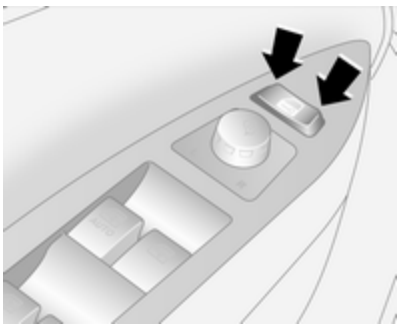
With the engine running, the tailgate will only unlock when the electrical parking brake is applied or automatic transmission is in position **P**.

Central locking buttons

Locks or unlocks all doors, the load compartment and fuel filler flap from the passenger compartment.



Press left part of switch to lock.

Press right part of switch to unlock.

When the key is in the ignition switch, locking is only possible if all doors are closed.

Fault in radio remote control system

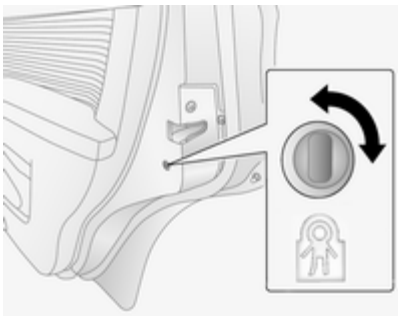
Unlocking

Manually unlock the driver's door by turning the key in the lock. Switch on the ignition and press the left part of central locking switch to unlock all doors, load compartment and fuel filler flap.

Locking

Manually lock the driver's door by turning the key in the lock.

Child locks



⚠Warning

Use the child locks whenever children are occupying the rear seats.

Using a key or suitable screwdriver, turn button on rear door lock to the horizontal position. The door cannot be opened from inside.

Doors

Load compartment

Tailgate

Opening

Operate the button above the number plate and lift the tailgate.

If the tailgate is open when the ignition is switched on, control indicator illuminates in the instrument cluster ⇨ 88.

Central locking system ⇨ 20.

Caution

Ensure there are no obstructions and that there is adequate clearance when opening the tailgate.

⚠Warning

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects, since toxic exhaust gases, which can not be seen or smelled, could enter the vehicle. This can cause unconsciousness and even death.

Note
The installation of certain heavy accessories onto the tailgate may affect its ability to remain open.

Closing

Use the interior handle.

Do not operate the button above the number plate while closing the tailgate, as this will unlock it again.

Central locking system ⇨ 20.

Back to overview

Fault

To open the tailgate in the event of power interruption:

Remove the interior trim cover from the central latch area, then push the lever using a suitable tool.

Vehicle security

Anti-theft locking system

⚠Warning

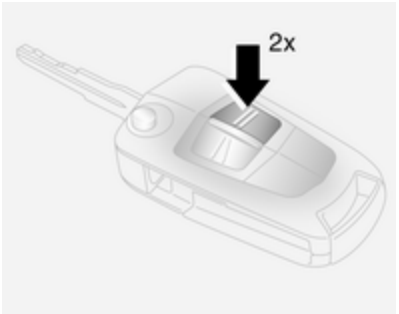
Do not use the system if there are people in the vehicle! The doors cannot be unlocked from the inside.

The system deadlocks all the doors. All doors must be closed otherwise the system cannot be activated.

If the ignition was on, the driver's door must be opened and closed once so that the vehicle can be secured.

Unlocking the vehicle disables the mechanical anti-theft locking system. This is not possible with the central locking button.

Activating



Press button ⚌ on the radio remote control twice within 3 seconds.

Alternatively, turn key in driver's door towards rear of vehicle again within 3 seconds after locking.

Anti-theft alarm system

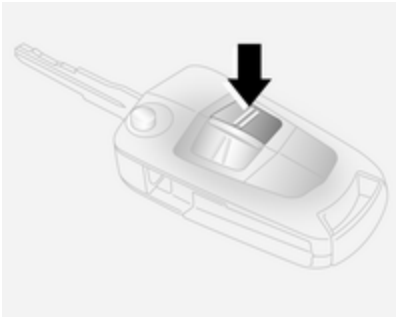
The system monitors:

- Doors, tailgate, bonnet
- Passenger compartment including adjoining load compartment
- Vehicle inclination, e.g. if it is raised

Back to overview

- Siren power supply
- Ignition

Activation



Ensure the doors, tailgate, fuel filler flap, bonnet, windows and sunroof are closed.

Press button ⚌ on radio remote control or manually lock the driver's door.

The system is activated:

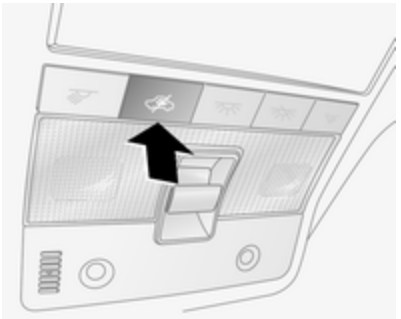
- Automatically, 30 seconds after locking the vehicle (initialisation of the system)
- Directly by pressing ⚌ on the radio remote control once more after locking

If the hazard warning lights do not flash once upon activation or the control indicator flashes rapidly, this may indicate that a door, the tailgate or the bonnet is not fully closed.

Note

Changes to the vehicle interior such as the use of seat covers, and open windows or sunroof, could impair the function of passenger compartment monitoring.

Activation without monitoring of passenger compartment and vehicle inclination



Switch off the monitoring of passenger compartment and vehicle inclination when people or animals are being left in the vehicle, because of high volume ultrasonic signals, movements triggering the alarm and when the vehicle is on a ferry or train.

1. Close tailgate, bonnet, windows and sunroof.
2. Press button 🚗. Control indicator 🚗 illuminates yellow in the instrument cluster.

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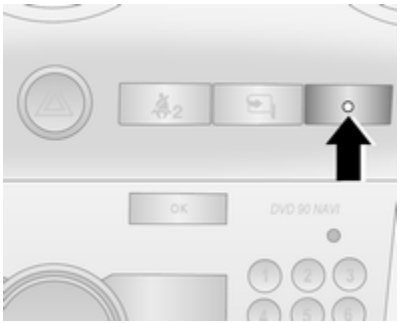
3. Close doors.
4. Activate the anti-theft alarm system.

Press button again to cancel. Control indicator extinguishes.

Status LED



Status LED is located in the centre console.

Status during the first 30 seconds of anti-theft alarm system activation:

LED illuminates	=	test, arming delay.
LED flashes quickly	=	doors, tailgate or bonnet not completely closed, or system fault.

Status after system is armed:

LED flashes slowly	=	system is armed.
LED flashes quickly 3 times after unlocking	=	system is disarmed.

Seek the assistance of a workshop in the event of faults.

Deactivation

Unlocking the vehicle deactivates anti-theft alarm system. Hazard warning lights flash twice upon deactivation.

If no door is opened or the engine is not started within 30 seconds after the vehicle has been unlocked, the vehicle is relocked automatically and the alarm is reactivated.

If the alarm has been triggered, the hazard warning lights will not flash upon deactivation.

Alarm

When triggered, the alarm sounds via a separate battery-backed power sounder, and the hazard warning lights flash simultaneously. The number and duration of alarm signals are stipulated by legislation.

The alarm can be silenced by pressing any button of the radio remote control or manually unlocking the driver's door with the ignition key. The anti-theft alarm system is deactivated at the same time.

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Immobiliser

The system is integrated into the ignition switch and checks whether the vehicle is allowed to start with the key being used. If the transponder in the key is recognized, the engine can be started.

The electronic immobiliser is activated automatically after the key has been removed from the ignition switch.

Control indicator illuminates in the instrument cluster when the ignition is switched on, then extinguishes. If remains illuminated when the ignition is on, there is a fault in the system; the engine cannot be started. Switch off the ignition and remove key, wait approx. 2 seconds and then repeat the start attempt.

If the control indicator remains illuminated, attempt to start the engine using the spare key and seek the assistance of a workshop.

Note
The immobiliser does not lock the doors. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system ⇨ 20, ⇨ 23.

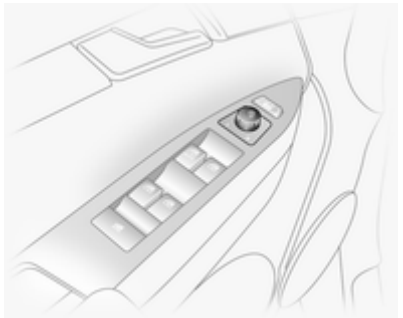
Control indicator ⇨ 87.

Exterior mirrors

Convex shape

The convex exterior mirror reduces blind spots. The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.

Electric adjustment



Select the relevant exterior mirror by turning the switch to left **(L)** or right **(R)**. Then swivel the control to adjust the mirror.

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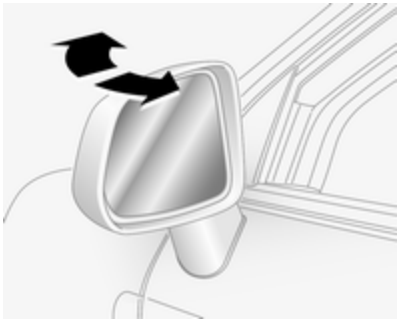
Folding

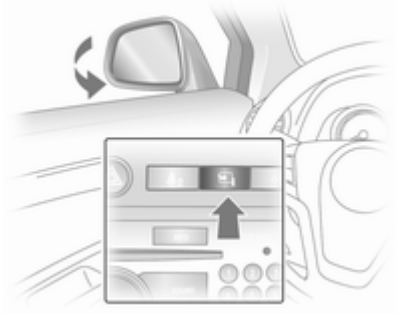


For pedestrian safety, the exterior mirrors will swing out of their normal mounting position if they are struck with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing.

Manual folding

Press lightly on the outside of the mirror housing to fold in the exterior mirrors.

Electric folding



With ignition switch in positions **ACC** or **ON**, press button and both exterior mirrors will fold in.

Press button again - both exterior mirrors return to their original position.

If an electrically folded mirror is manually extended, pressing button will only electrically extend the other mirror. Pressing button again folds both mirrors back in.

Fold mirrors back to the driving position before driving the vehicle.

Heated

Operated by pressing the button. LED illuminates in the button.

Heating works with the key in ignition switch positions **ACC** or **ON** and is switched off automatically after a short time.

To avoid discharging the battery, operate only with the engine running. Do not operate when you are just starting the vehicle, or if there is a build up of snow or ice on the exterior mirrors.

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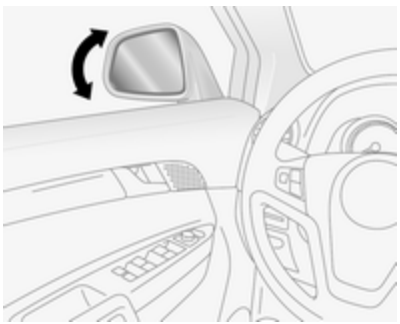
Do not use sharp instruments or abrasive cleaners on the exterior mirrors and avoid scratching or damaging the heating elements.

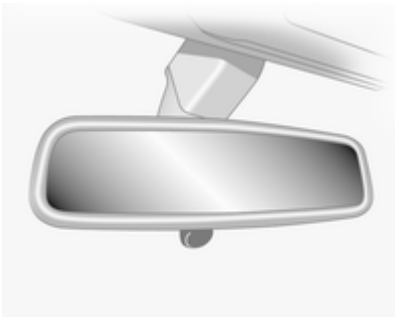
Automatic dimming



Exterior mirrors dim to reduce glare automatically in conjunction with the automatic anti-dazzle interior mirror ⇨ 28.

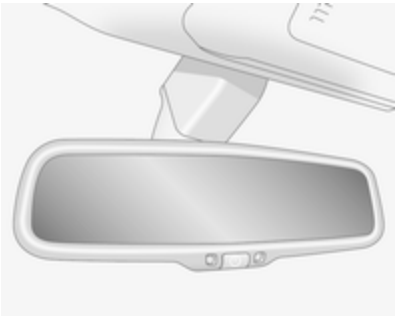
Interior mirrors

Manual anti-dazzle



To reduce dazzle, adjust the lever on the underside of the mirror housing.

Automatic anti-dazzle



Press button on mirror housing to turn function on; button illuminates and dazzle from following vehicles at night is automatically reduced. Press button again to turn function off.

There are two light sensors in the mirror housing. To avoid interference and loss of function, do not cover the sensors or hang anything on the mirror.

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Windows

Manual windows

The door windows can be opened or closed with the window winders.

Power windows

⚠Warning

Take care when operating the power windows. Risk of injury, particularly to children.

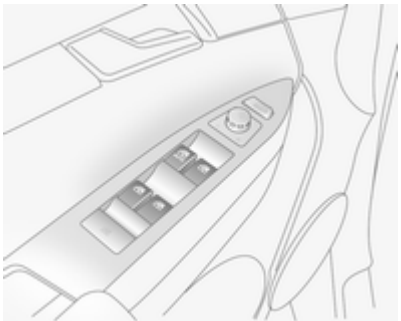
If there are children on the rear seats, switch on the child safety system for the power windows.

Keep a close watch on the windows when closing them. Ensure that nothing becomes trapped in them as they move.

Power windows can be operated:

- with ignition on,
- within 10 minutes of switching ignition off.

After switching off the ignition, window operation is disabled when the driver's door is opened.



Operate the switch for the respective window by pushing to open or pulling to close.

For incremental operation: Push or pull switch briefly.

For automatic opening or closing: Push or pull switch for longer. Window moves up or down automatically with safety function enabled. To stop movement, operate the switch once more in the same direction.

Additional switches are located in the front passenger's door and the rear doors. The rear windows do not open fully.

Safety function

If the window glass encounters resistance above the middle of the window during automatic closing, it is immediately stopped and opened again.

Override safety function

In the event of closing difficulties due to frost or the like, pull the relevant window switch several times until the window is closed. The window moves up with the safety function disabled.

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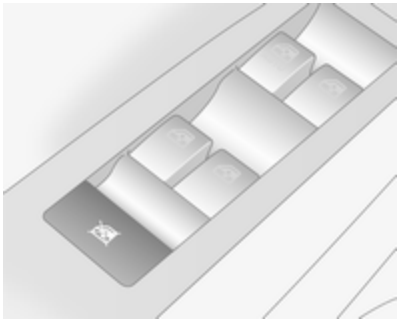
Child safety system for rear windows



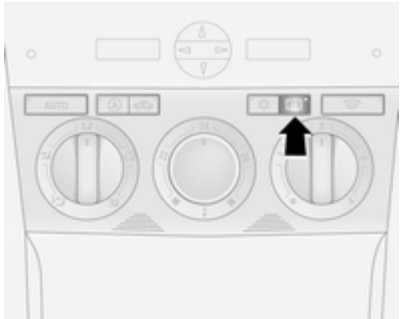
Press switch to deactivate rear door power windows. To reactivate, press again.

With the child safety system on, rear door windows can only be operated via the switches in the driver's door.

Overload

If the windows are repeatedly operated within short intervals, the window operation is disabled for some time.

Heated rear window



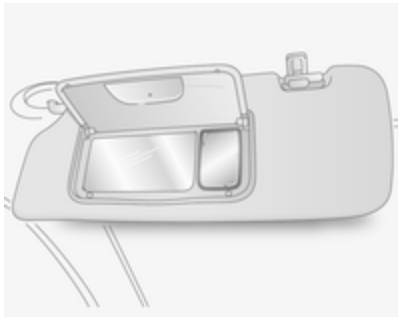
Operated by pressing the button. LED illuminates in the button.

Heating works with the key in ignition switch positions **ACC** or **ON** and is switched off automatically after a short time.

To avoid discharging the battery, operate only with the engine running. Do not operate when you are just starting the vehicle, or if there is a build up of snow or ice on the rear window.

Do not use sharp instruments or abrasive cleaners on the rear window and avoid scratching or damaging the heating elements.

Sun visors



The sun visors can be folded down or swivelled to the side to prevent dazzling.

Sun visors have vanity mirrors and a ticket holder on the rear. When the vanity mirror covers are opened, the sun visor light illuminates.

The mirror covers should be closed when driving.

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Roof

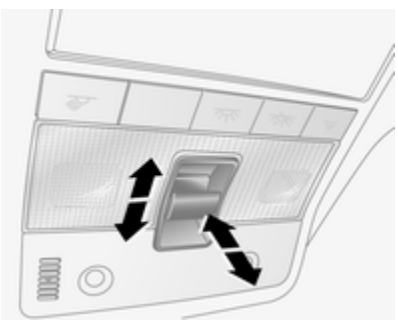
Sunroof

⚠Warning

Take care when operating the sunroof. Risk of injury, particularly to children.

Keep a close watch on the movable parts when operating them. Ensure that nothing becomes trapped in them as they move.

Slide/tilt sunroof



For incremental operation, briefly press the switch in the required direction. For automatic opening or closing, press and hold the switch.

Open

Press switch rearwards; it will open automatically unless the switch is pressed again in another direction, or released.

Note

If the top of the roof is wet, tilt sunroof, allow water to run off and then open sunroof.

Close

Press and hold switch forwards. Release switch when sunroof reaches desired position.

Tilt

Press and hold switch upwards. Release switch when sunroof reaches desired position.

To return sunroof to its original position, pull and hold switch downwards. Release switch when sunroof reaches desired position.

General hints

Function standby

The sunroof can be operated:

- with ignition on,
- within 10 minutes of switching ignition off,

After switching off the ignition, sunroof operation is disabled when driver's door is opened.

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Seats, restraints

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Front seats 33
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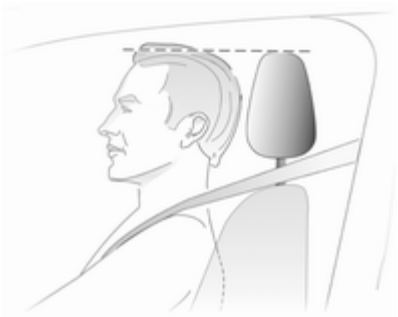
Child restraints 46

Head restraints

Position

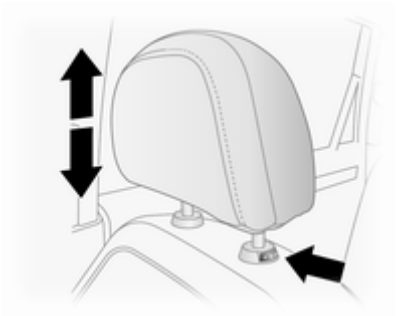
⚠Warning

Only drive with the head restraint set to the proper position.



For maximum protection, the upper edge of the head restraint should be at upper head level. If this is not possible for extremely tall people, set to highest position, and set to lowest position for small people.

Height adjustment



Press release button, adjust height then release the button and engage.

Pull head restraint up to raise. Push head restraint down while pressing the release button to lower the head restraint.

Removal

Insert a suitable tool into the small hole in the side of the guide sleeve without the release button and depress the lock. Press the release button on the other guide sleeve and pull up the head restraint.

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Stow head restraints securely in load compartment.

Active head restraints on front seats

In the event of a rear-end impact, the active head restraints automatically tilt forwards. The head is more effectively supported by the head restraint and the risk of whiplash injury is reduced.

Do not attach objects or components that are not approved for your vehicle to the head restraints. These affect the protective effect of the head restraints and can be propelled through the vehicle in an uncontrolled manner if the driver brakes hard or an accident occurs.

Front seats

Seat position

⚠Warning

Only drive with the seat correctly adjusted.

- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when pressing the pedals. Slide the front passenger seat as far back as possible.
- Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to easily reach the steering wheel with arms slightly bent. Maintain contact between shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approximately 25°.
- Adjust the steering wheel ⇨ 70.
- Set seat height high enough to have a clear field of vision on all sides and of all display instruments. There should be at least one hand of clearance between head and the roof frame. Your thighs should rest lightly on the seat without pressing into it.
- Adjust the head restraint ⇨ 32.
- Adjust the height of the seat belt ⇨ 40.
- Adjust the lumbar support so that it supports the natural shape of the spine.

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Seat adjustment

⚠Danger

Do not sit nearer than 25 cm from the steering wheel, to permit safe airbag deployment.

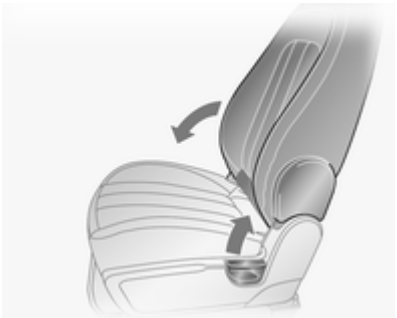
⚠Warning

Never adjust seats while driving as they could move uncontrollably.

Seat positioning

Pull handle, slide seat, release handle.

Seat backrests



Pull lever, adjust inclination and release lever. Allow the backrest to engage audibly.

Do not lean on the seat backrest whilst adjusting it.

Seat height

Lever pumping motion

up = seat higher
down = seat lower

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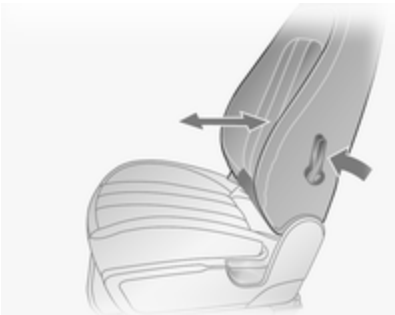
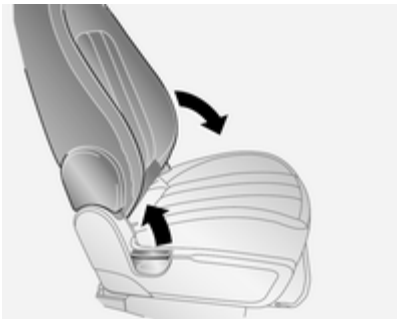
Lumbar support



Adjust lumbar support to suit personal requirements using the lever.

To increase or decrease lumbar support, move lever forwards or backwards.

Seat folding



Push head restraint all the way down.

Slide seat as far back as it will go.

Lift release lever and fold backrest down onto seat cushion. Lower lever and backrest engages in lowered position.

Slide seat forwards.

To return the backrest to its original position, slide seat as far back as it will go, lift release lever, move the backrest to upright position, lower lever and the backrest engages.

Folding the backrest forwards is possible only when the backrest is in an upright position.

Do not operate lever to adjust lumbar support with backrest tilted forward.

Power seat adjustment

⚠Warning

Care must be taken when operating the power seats. There is a risk of injury, particularly for children. Articles could become trapped.

Keep a close watch on the seats when adjusting them. Vehicle passengers should be informed accordingly.

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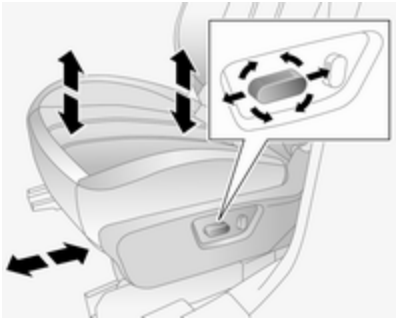


Seat positioning

Move front switch forwards/ backwards.

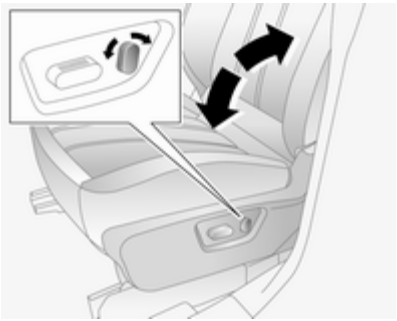
Seat height

Move front of switch upwards/ downwards to adjust height of front part of seat cushion.

Move rear of switch upwards/ downwards to adjust height of rear part of seat cushion.

Move front and rear of switch upwards/downwards to adjust height of entire seat cushion.

Seat backrests

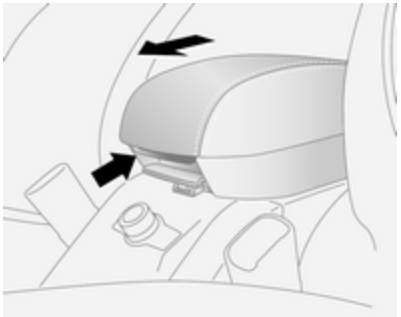


Move upper part of rear switch forwards/backwards.

The seat backrest must not be tilted back too far (recommended maximum tilting angle approx. 25°).

Armrest

Front armrest

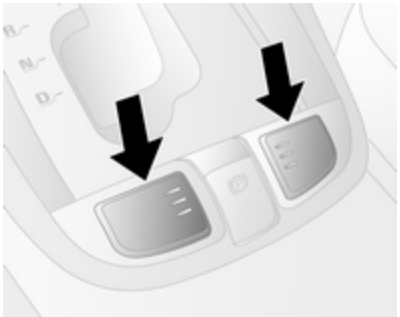


The armrest can be slid forwards. Pull up and hold upper lever and slide the armrest forwards.

To return armrest to its rearmost position, slide it back until it latches into position.

Under the armrest there is a storage compartment ⇨ 54.

Heating



Adjust heating to the desired setting by pressing the button for the respective seat one or more times with the ignition switch set to **ACC** or **ON**. The control indicator in the button indicates the setting.

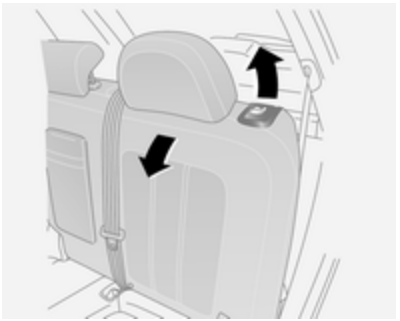
To deactivate heating, set the heating level to its lowest setting and press the button. The control indicator in the button will extinguish.

Prolonged use of the highest setting for people with sensitive skin is not recommended.

If temperature continues to rise, turn seat heating off and seek the assistance of a workshop.

Rear seats

Seat backrests



To adjust seat backrests, lift release lever on top of backrest and move backrest forwards/backwards to desired position.

Do not lean on the backrest whilst adjusting it.

When folding the backrests, ensure the seat belts are unbuckled.

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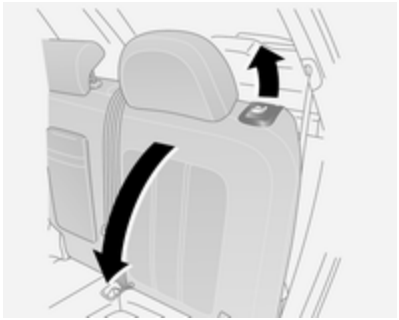
⚠Warning

Never adjust seats while driving as they could move uncontrollably.

Seat folding



The load compartment can be enlarged by folding the seat backrests onto the seat cushions.

To fold backrests separately, unbuckle all three rear seat belts and ensure front seats are not in a reclined position.

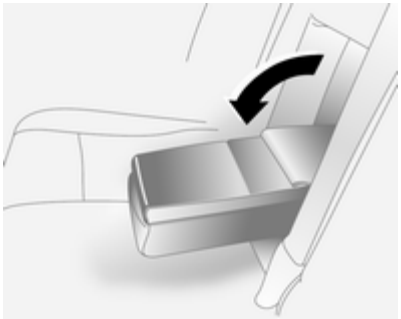
Push head restraints all the way down, lift backrest release lever and fold backrest forwards and down onto seat cushion.

Do not allow passengers to sit on a folded backrest, or place any unrestrained loads on it.

To move backrest to its original position, lift and push the backrest into place and ensure the backrest engages.

Safety net ⇨ 67.

Armrest



Fold armrest down.

If the rear centre seat is being used or the seat backrests are being folded down, fold armrest upwards.

Under the armrest there is a storage compartment ⇨ 54.

Back to overview

Seat belts

The seat belts are locked during heavy acceleration or deceleration of the vehicle holding the occupants in the seated position. Thereby the risk of injury is considerably reduced.

⚠Warning

Fasten seat belt before each trip.

In the event of an accident, people not wearing seat belts endanger their fellow occupants and themselves.

Seat belts are designed to be used by only one person at a time. They are not suitable for people smaller than 150 cm. Child restraint system ⇨ 46.

Periodically check all parts of the belt system for damage and proper functionality.

Have damaged components replaced. After an accident, have the belts and triggered belt pretensioners replaced by a workshop.

Note

Make sure that the belts are not damaged by shoes or sharp-edged objects or trapped. Prevent dirt from getting into the belt retractors.

Driver seat belt reminder ⇨ 81.

Front passenger seat belt reminder ² ⇨ 40.

Belt force limiters

Located on the front seats. Stress on the body is reduced by the gradual release of the belt during a collision.

Belt pretensioners

In the event of a head-on collision or side impact of a certain severity, the front seat belts are tightened.

⚠Warning

Incorrect handling (e.g. removal or fitting of belts) can trigger the belt pretensioners.

Deployment of the belt pretensioners is indicated by illumination of control indicator ⇨ 81.

Triggered belt pretensioners must be replaced by a workshop. Belt pretensioners can only be triggered once.

Note

Do not affix or install accessories or other objects that may interfere with the operation of the belt pretensioners. Do not make any modifications to belt pretensioner components as this will invalidate the vehicle type approval.

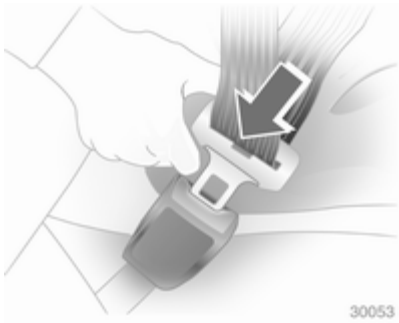
Back to overview

Three-point seat belt

Fastening

Withdraw the belt from the retractor, guide it untwisted across the body and insert the latch plate into the buckle. Tighten the lap belt regularly whilst driving by pulling the shoulder belt.

Seat belt reminder ⇨ 81.

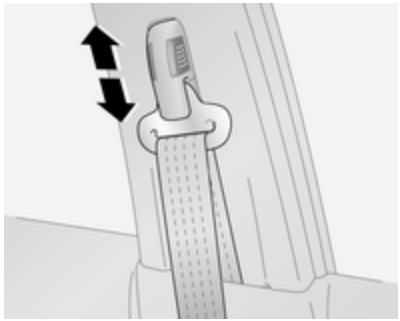


Loose or bulky clothing prevents the belt from fitting snugly. Do not place objects such as handbags or mobile phones between the belt and your body.

⚠Warning

The belt must not rest against hard or fragile objects in the pockets of your clothing.

Height adjustment



1. Squeeze release buttons together.
2. Slide adjuster up or down.
3. Ensure adjuster latches into position.

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Adjust the height so that the belt lies across the shoulder. It must not lie across the throat or upper arm.

Do not adjust while driving.

Removing

To release belt, press red button on belt buckle.

Using the seat belt while pregnant

⚠Warning

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

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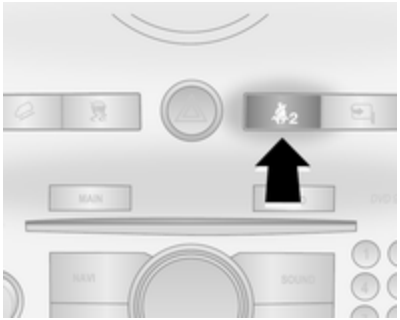
Front passenger seat belt reminder



When the engine is running, control indicator flashes then illuminates if the passenger seat is occupied and the seat belt is not engaged.

If vehicle speed exceeds 22 km/h, will flash for 90 seconds along with a warning chime, then illuminate until the seat belt is fastened.

Illuminates briefly when ignition is switched on.

Control indicator for driver's seat belt reminder ⇨ 81.

Airbag system

The airbag system consists of a number of individual systems depending on the scope of equipment.

When triggered the airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

⚠Warning

If handled improperly the airbag systems can be triggered in an explosive manner.

Note

The airbag systems and belt pretensioner control electronics are located in the centre console area. Do not put any magnetic objects in this area.

Do not stick anything on the airbag covers and do not cover them with other materials.

Each airbag is triggered only once. Have deployed airbags replaced by a workshop. Furthermore, it might be necessary to have the steering wheel, the instrument panel, parts of the panelling, the door seals, handles and the seats replaced.

Do not make any modifications to the airbag system as this will invalidate the vehicle type approval.

When the airbags inflate, escaping hot gases may cause burns.

Control indicator for airbag systems ⇨ 81.

Front airbag system

The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the front passenger side. These can be identified by the word **AIRBAG**.

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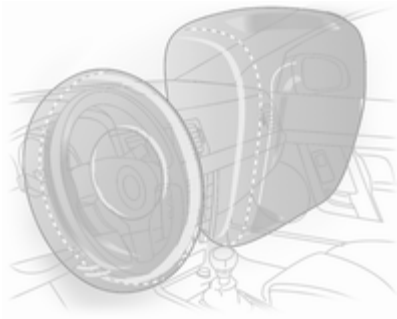
The warning label reminds that the use of rear-facing child restraint systems on the front passenger seat is not permitted. Risk of fatal injury.

The front airbag system is triggered in the event of a front-end impact of a certain severity and functions independently of the side airbag system and curtain airbag system. The ignition needs to be switched on.



The inflated airbags cushion the impact, thereby considerably reducing the risk of injury to the upper body and head of the front seat occupants.

⚠Warning

Optimum protection is only provided when the seat is in the proper position ⇨ 33.

Keep the area in which the airbag inflates clear of obstructions.

Fit the seat belt correctly and engage securely. Only then the airbag is able to protect.

Side airbag system

The side airbag system consists of an airbag in each front seat backrest. This can be identified by the word **AIRBAG**.

The side airbag system is triggered in the event of a side impact of a certain severity and functions independently of the front airbag system. The ignition needs to be switched on.

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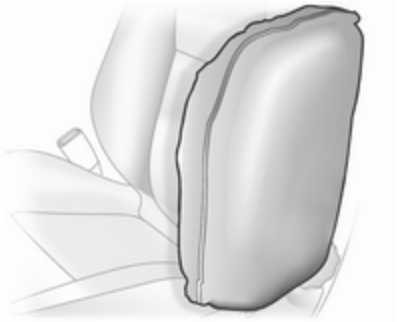


The inflated airbags cushion the impact, thereby considerably reducing the risk of injury to the upper body and pelvis in the event of a side-on collision.

⚠Warning

Keep the area in which the airbag inflates clear of obstructions.

Note

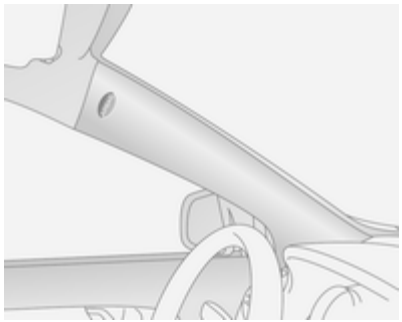
Only use protective seat covers that have been approved for the vehicle. Be careful not to cover the airbags.

Curtain airbag system

The curtain airbag system consists of an airbag in the roof frame on each side. This can be identified by the word **AIRBAG** on the roof pillars.

The curtain airbag system is triggered in the event of a side-on impact of a certain severity. The ignition needs to be switched on.

The curtain airbag system is triggered with the side airbag system and functions independently of the front airbag system.



The inflated airbags cushion the impact, thereby considerably reducing the risk of injury to the head in the event of a side-on impact.

⚠Warning

Keep the area in which the airbag inflates clear of obstructions.

The hooks on the handles in the roof frame are only suitable for hanging up light articles of clothing, without coat hangers. Do not keep any items in these clothes.

Airbag deactivation

The front passenger airbag system must be deactivated if a child restraint system is to be fitted on this seat. The belt pretensioners and all driver airbag systems will remain active.

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The front passenger airbag system can be deactivated via a key-operated switch on the right side of the instrument panel.

Use the ignition key to choose the position:

OFF = front passenger airbag systems are deactivated and will not inflate in the event of a collision. Control indicator illuminates continuously on the passenger side of the instrument panel. A child restraint system can be installed in accordance with the chart **Child restraint installation locations** ⇨ 48. No adult person is allowed to occupy the front passenger seat.

ON = front passenger airbag systems are active. A child restraint system must not be installed.

⚠Danger

Risk of fatal injury for a child using a child restraint system on a seat with activated front passenger airbag.

Risk of fatal injury for an adult person on a seat with deactivated front passenger airbag.

Control indicators for the front passenger airbag system are located on the passenger side of the instrument panel.

As long as control indicator is illuminated, the front passenger airbag system will inflate in the event of a collision.

If both control indicators are illuminated at the same time, there is a system failure. The status of the system is not discernible, therefore

Back to overview

no person is allowed to occupy the front passenger seat. Contact a workshop immediately.

Consult a workshop immediately if neither of the two control indicators is illuminated.

Change status only when the vehicle is stopped with the ignition off.

Status remains until the next change.

Control indicators and for front passenger airbag ⇨ 78.

Child restraints

Child restraint systems

We recommend the Opel child restraint system which is tailored specifically to the vehicle.

When a child restraint system is being used, pay attention to the following usage and installation instructions and also those supplied with the child restraint system.

Always comply with local or national regulations. In some countries, the use of child restraint systems is forbidden on certain seats.

⚠ Warning

When using a child restraint system on the front passenger seat, the airbag systems for the front passenger seat must be deactivated; if not, the triggering of the airbags poses a risk of fatal injury to the child.

This is especially the case if rear-facing child restraint systems are used on the front passenger seat.

Selecting the right system

The rear seats are the most convenient location to fasten a child restraint system.

Children should travel facing rearwards in the vehicle as long as possible. This makes sure that the child's backbone, which is still very weak, is under less strain in the event of an accident.

Children under the age of 12 years that are smaller than 150 cm are only allowed to travel in a restraint system that is suitable for the child. Child restraint systems that comply with ECE 44-03 or ECE 44-04 are suitable. Since the proper position of the belt is rarely possible with a child that is smaller than 150 cm, we strongly advise the use of an appropriate child restraint system, even though this may, due to the age of the child, no longer be legally binding.

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Ensure that the child restraint system to be installed is compatible with the vehicle type.

Ensure that the mounting location of the child restraint system within the vehicle is correct.

Allow children to enter and exit the vehicle only on the side facing away from the traffic.

When the child restraint system is not in use, secure the seat with a seat belt or remove it from the vehicle.

Note

Do not stick anything on the child restraint systems and do not cover them with any other materials.

A child restraint system which has been subjected to stress in an accident must be replaced.

Child restraint installation locations

Permissible options for fitting a child restraint system

Weight and age class	On front passenger seat activated airbag	On front passenger seat deactivated airbag	On rear outboard seats	On rear centre seat
Group 0: up to 10 kg or approx. 10 months	X	U[1]	U, +	X
Group 0+: up to 13 kg or approx. 2 years	X	U[1]	U, +	X
Group I: 9 to 18 kg or approx. 8 months to 4 years	X	U[1]	U, +	X
Group II: 15 to 25 kg or approx. 3 to 7 years	X	X	U	X
Group III: 22 to 36 kg or approx. 6 to 12 years	X	X	U	X

[1] = Only if front passenger seat airbag system is deactivated ⇨ 44. Child restraint system must be secured using a three-point seat belt. Move seat height adjustment to uppermost position and ensure that vehicle seat belt runs forwards from the upper anchorage point.

\+ = Vehicle seat with ISOFIX mounting available. When mounting with ISOFIX, only ISOFIX child restraint systems that have been approved for the vehicle may be used.

U = Universal suitability in conjunction with three-point seat belt.

X = No child restraint system permitted in this weight and age class.

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Permissible options for fitting an ISOFIX child restraint system

Weight and age class	Size class	Fixture	On front passenger seat	On rear outboard seats	On rear centre seat
Group 0: up to 10 kg or approx. 10 months	E	ISO/R1	X	IL	X
Group 0+: up to 13 kg or approx. 2 years	E	ISO/R1	X	IL	X
	D	ISO/R2	X	IL	X
	C	ISO/R3	X	IL	X
Group I: 9 to 18 kg or approx. 8 months to 4 years	D	ISO/R2	X	IL	X
	C	ISO/R3	X	IL	X
	B	ISO/F2	X	IUF	X
	B1	ISO/F2X	X	IUF	X
	A	ISO/F3	X	IUF	X

IL = Suitable for particular ISOFIX restraint systems of the 'vehicle-specific', 'restricted' or 'semi-universal' categories. The ISOFIX restraint system must be approved for the specific vehicle type.

IUF = Suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this weight and age class.

X = No ISOFIX child restraint system approved in this weight and age class.

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ISOFIX size class and seat device

A - ISO/F3 = Forward-facing child restraint system for children of maximum size in the weight class 9 to 18 kg.
B - ISO/F2 = Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.
B1 - ISO/F2X = Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.
C - ISO/R3 = Rear-facing child restraint system for children of maximum size in the weight class up to 13 kg.
D - ISO/R2 = Rear-facing child restraint system for smaller children in the weight class up to 13 kg.
E - ISO/R1 = Rear-facing child restraint system for young children in the weight class up to 13 kg.

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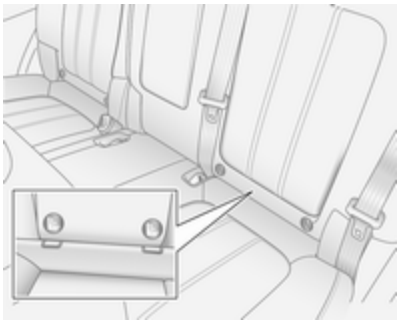
ISOFIX child restraint systems



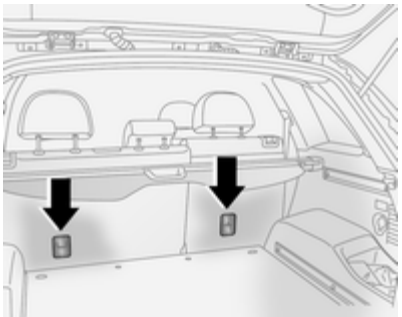
Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets.

Permitted installation positions for specific vehicle ISOFIX child restraint systems are marked in the table by IL.

No more than two ISOFIX child restraint systems can be installed on the rear seats at the same time, though not on the rear centre seat.

ISOFIX mounting brackets are indicated by a label on the backrest.

Top-tether fastening eyes



The Top-tether anchors located on the rear of the backrests are designed to hold child restraints which come equipped with Top-tether anchor attachments only. Follow the instructions provided with the Top-tether child restraint system.

For use of ISOFIX and Top-tether fixings, universal ISOFIX child restraint systems may be used. Permitted installation positions are marked in the table by IUF.

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Storage

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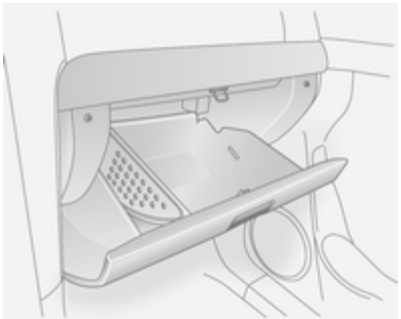
Storage compartments

Glovebox



The glovebox will illuminate when opened.

The glovebox partition can be removed from its groove. Store the partition in the groove on the far left-hand side of the glovebox.

The glovebox should be closed whilst driving.

Glovebox cooler ⇨ 117.

Lockable glovebox

Lock and unlock the glovebox with the key.

Cupholders

Cupholders are located in the front of the centre console.

The cupholder is flexible, allowing different size drink containers to be stored.

Additional cupholders are located in the centre rear seat armrest. Fold down the armrest to access the cupholder.

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Front storage

Console net

Located in the front passenger foot well.

Coin storage

Pull handle to open. Push door firmly to close.

Card holder

Located above the coin storage compartment. A card can be retained in the slot for convenient use.

Sunglasses storage

To open: push the rear part of the cover.

To close: pull up cover and push it until it latches into place.

Do not use for storing heavy objects.

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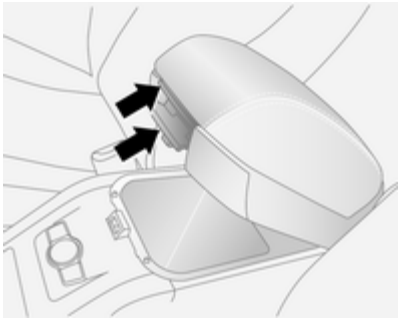
Underseat storage

Front passenger seat undertray

Pull up on front of tray then pull it forwards. Push the tray towards the seat to return it to its original position.

Armrest storage

Console box in front armrest

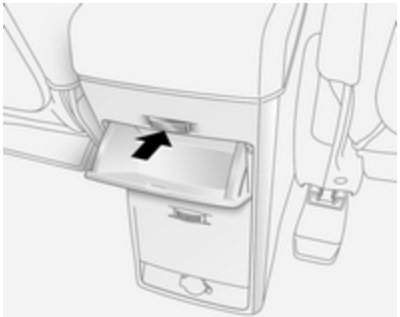


To open: pull up lower lever and lift the lid.

To close: lower lid and push it down until it latches into position.

To use the tray: ensure armrest is in its rearmost position, pull up on upper lever and lift the lid.

Centre console storage



Located in rear of centre console.

To open: press button above the storage compartment.

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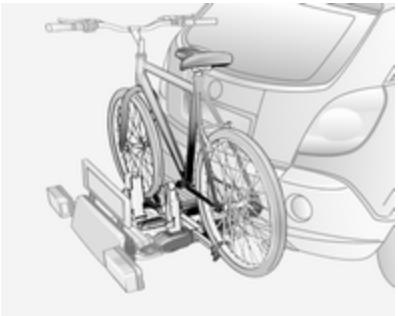
Rear carrier system



The rear carrier system (Flex-Fix system) allows up to two bicycles to be attached to a pull-out carrier integrated into the vehicle floor.

The maximum load is 40 kg. The maximum load per bicycle is 20 kg.

If not in use, the carrier system can be slid back into the vehicle floor.

A multifunction box is offered as an accessory for the rear carrier system. The transportation of other objects is not permitted.

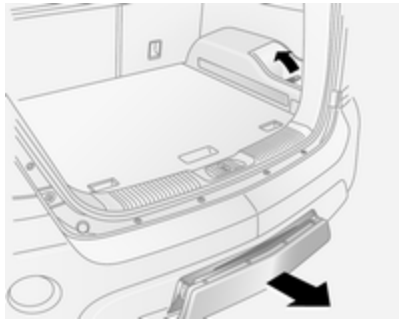
There must not be any objects on the bicycles that could become loose during transportation.

Caution
Do not attach bicycles with carbon pedal cranks to bicycle carriers. The bicycles might get damaged.

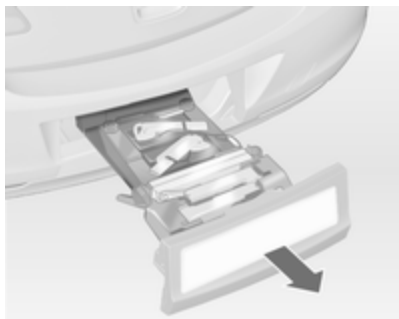
Extending

Open the tailgate.

⚠Warning
No-one should be in the extension zone of the rear carrier system, risk of injury.



Raise release lever. The system disengages and travels quickly out of the bumper.



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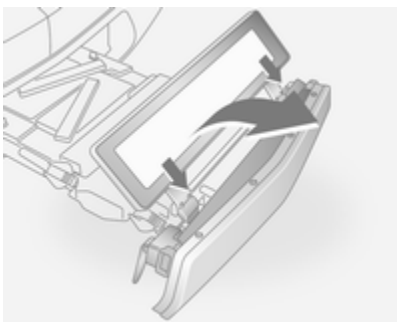
Completely pull out the rear carrier system until it engages.

Ensure that it is not possible to push in the rear carrier system without pulling the release lever again.

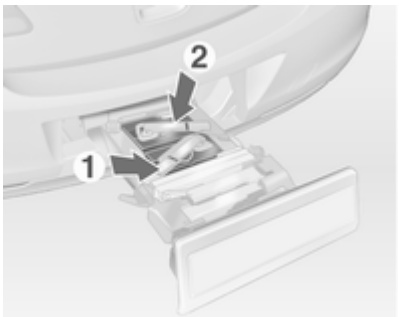
⚠Warning

It is only permissible to fit objects to the rear carrier system if the system has been correctly engaged. If the rear carrier system will not engage correctly, do not fit objects to the system and slide the system back. Seek the assistance of a workshop.

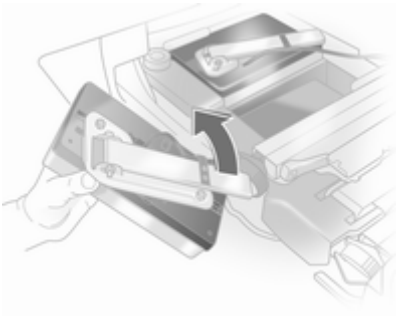


Pull up license plate holder and fully insert the holder supports into the retainers.

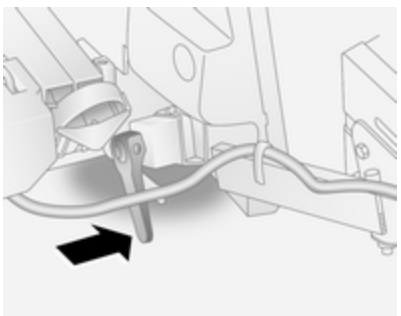
Install the tail lamps



First remove the rear (**1**), then the front (**2**) tail lamp from the recesses.



Open out the bulb holder on the back of the tail lamp completely.



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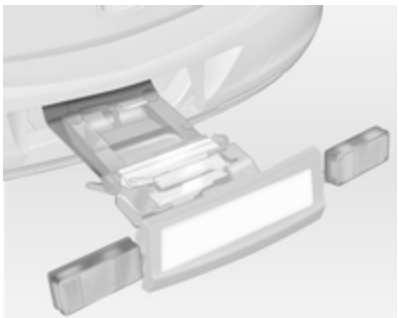
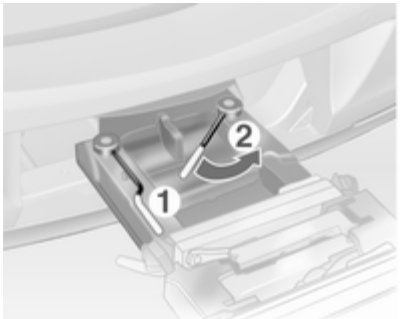
Push the clamping lever and push the bulb holder into the retainer until it hits the stop.

Perform this procedure for both tail lamps.



Check the cable and lamp position to make sure these are correctly installed and are securely located.

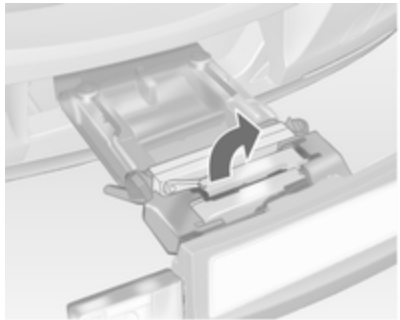
Lock the rear carrier system



Swivel the left clamping lever (**1**) back first, followed by the right clamping lever (**2**) until they stop. Both clamping levers must point backwards, otherwise safe functionality is not guaranteed.

Note
Close the tailgate!

Unfold pedal crank recesses



Fold one or both pedal crank recesses upwards until the diagonal support engages.

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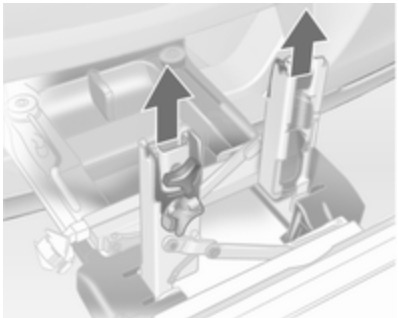
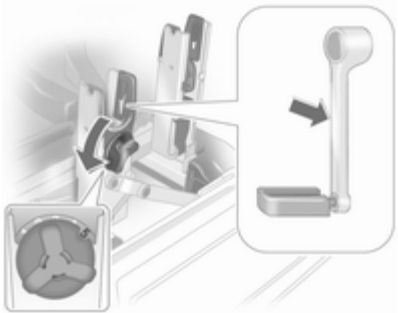


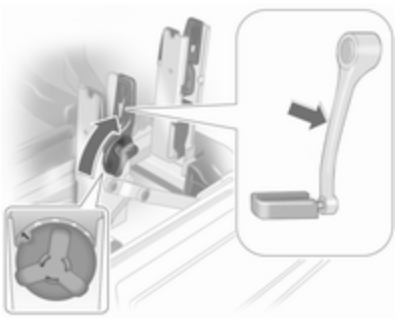
Remove the pedal crank mounts from the pedal crank recesses.

Adapting the rear carrier system to a bicycle

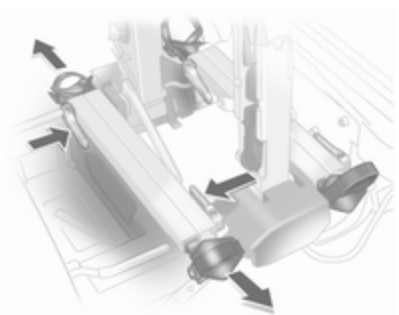


With the rotary lever on the pedal crank recess, roughly adapt the adjustable pedal crank unit to the protrusion of the pedal crank.

If the bicycle has straight pedal cranks, unscrew the pedal crank unit completely (position **5**).



If the bicycle has curved pedal cranks, screw in the pedal crank unit all the way (position **1**).



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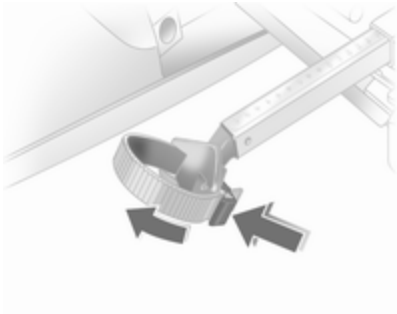
Press the release lever and withdraw the wheel recesses.



Push the release lever on the strap retainer and remove the strap retainer.

Prepare the bicycle for attachment

Note
The maximum width for the pedal crank is 38,3 mm and the maximum depth is 14,4 mm.

Rotate the left pedal (without a chain cog) vertically downwards. The pedal on the left pedal crank must be horizontal.

The front bicycle must have its front wheel facing left.

The rear bicycle must have its front wheel facing right.

Attaching a bicycle to the rear carrier system

Put on the bicycle. The pedal crank here must be placed in the pedal crank recess opening as shown in the illustration.

Caution
Make sure that the pedal does not touch the surface of the rear end carrier. Otherwise the bicycle crankset might be damaged during transport.

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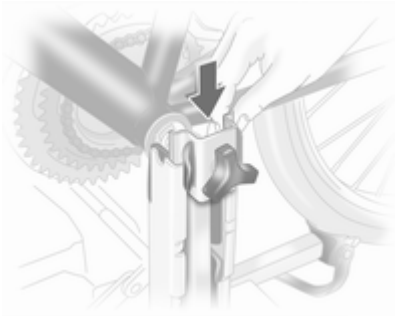
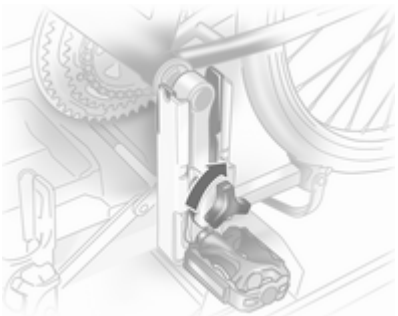
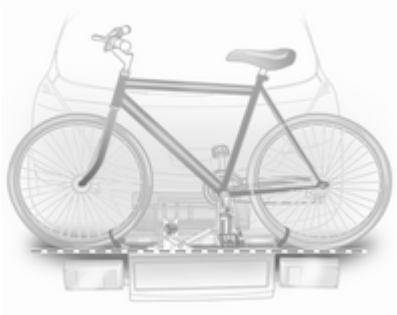


Insert pedal crank mount into outer rail of each pedal crank recess from above and slide downwards as far as it will go.

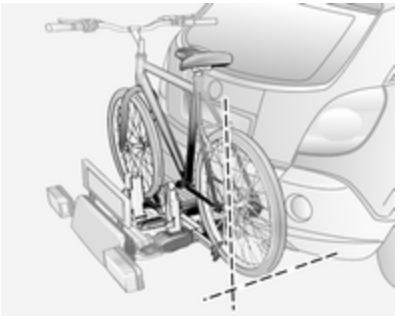


Attach the pedal crank by rotating the attachment screw on the pedal crank mount.



Place the wheel recesses such that the bicycle is more or less horizontal. Here, the distance between the pedals and the tailgate should be at least 5 cm.

Both bicycle tyres must be in the wheel recesses. In order to prevent damage, neither the pedal bearing housing on the bicycle nor the pedal crank is allowed to be touching the pedal crank recess.



Align the bicycle in the longitudinal direction of the vehicle: Slightly loosen the pedal mount.

Place the bicycle upright using the rotary lever on the pedal crank recess.

If two bicycles obstruct one another, the relative positions of the bicycles can be adapted by adjusting the wheel recesses and the rotary lever on the pedal crank recess until the bicycles no longer touch one another. Make sure there is sufficient clearance from the vehicle.

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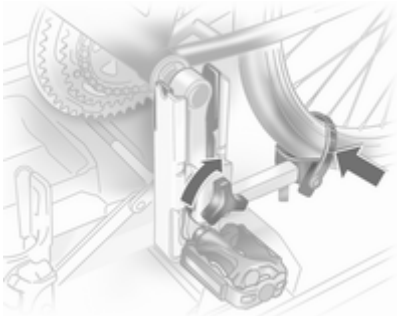


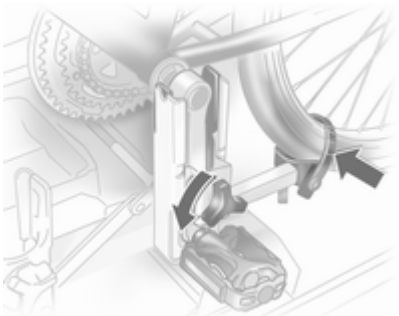
Tighten the attachment screw for the pedal bearing mount to its maximum point by hand.

Secure both bicycle wheels to wheel recesses using strap retainers.

Check the bicycle to make sure it is secure.

The settings for the wheel recesses and on the rotary lever on the pedal crank recess should be noted and saved for each bicycle. Correct presetting will facilitate refitting of the bicycle.

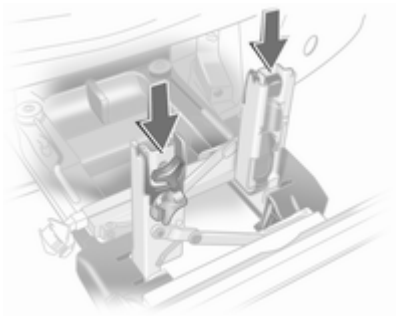
Removing a bicycle from the rear carrier system



Undo strap retainers on both bicycle tyres.

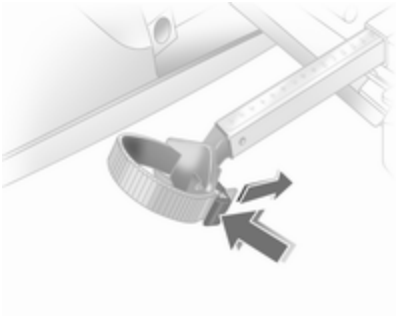
Hold on to the bicycle, loosen the attachment screw for the pedal bearing mount, then lift the pedal bearing mount to remove it.

Retracting the rear carrier system

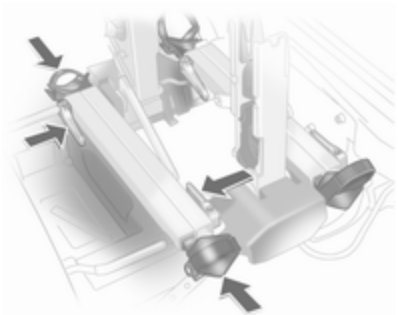


Push the pedal crank mounts into the pedal crank recess as shown in the illustration.

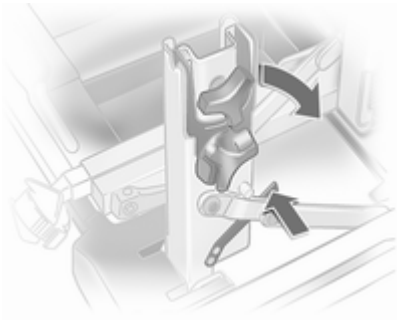
Back to overview



Insert the strap retainer and pull tightly downwards as far as possible.

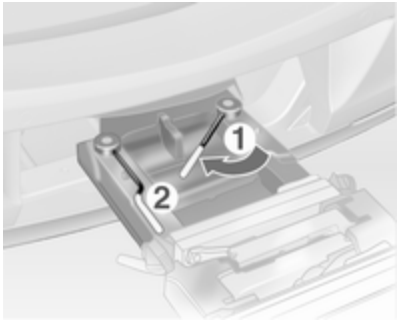


Press release lever and slide in wheel recesses all the way as far as they will go.

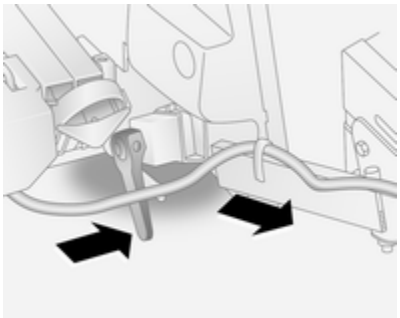


Disengage the locking lever on the diagonal support and fold both pedal crank recesses down.

⚠ Warning
Risk of pinching.

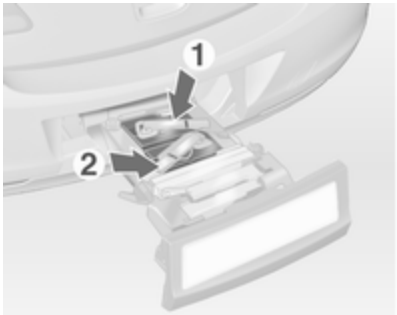


Swivel first the right clamping lever (**1**) forwards, followed by the left clamping lever (**2**), until they can be engaged in their respective recesses.



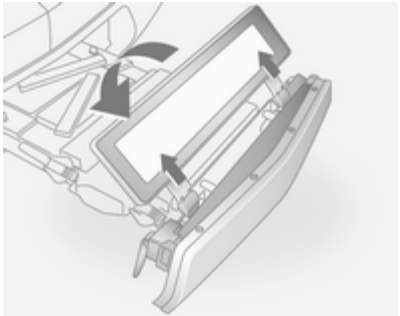
Back to overview

Push the clamping lever and pull both lamp supports out of the recesses.

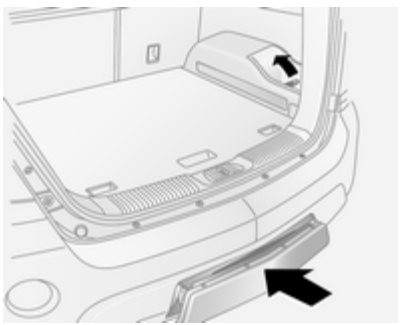


Fold in the bulb holders on the backs of the tail lamps.

First place the front tail lamp (**1**), then the rear tail lamp (**2**) in the recesses and push down as far as possible. Push cables all the way into all guides in order to prevent damage.



Pull up license plate holder and fold down into horizontal position.



Open the tailgate.

Raise the release lever up and push the system into the bumper until it engages.

Release lever must return to original position.

⚠Warning

If the system cannot be correctly engaged, please seek the assistance of a workshop.

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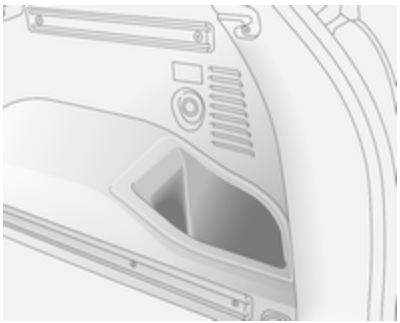
Load compartment

Storage compartments in the load compartment

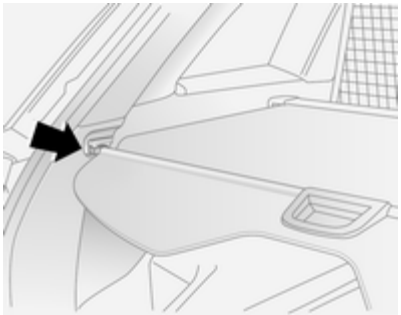


Located on both sides of the load compartment floor.

Load compartment cover

Do not place any objects on the cover.

Closing the cover

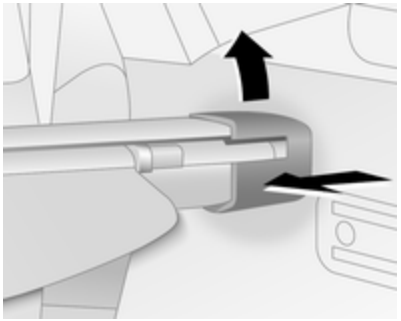


Pull load compartment cover towards rear of vehicle using handle and insert retainers into brackets on either side of load compartment.

Opening the cover

Remove load compartment cover from side brackets. The cover rolls up automatically.

Removing the cover



Open load compartment cover. Pull socket on either side of cover towards centre of vehicle, lift and remove cover from the side guides.

Fit in reverse order.

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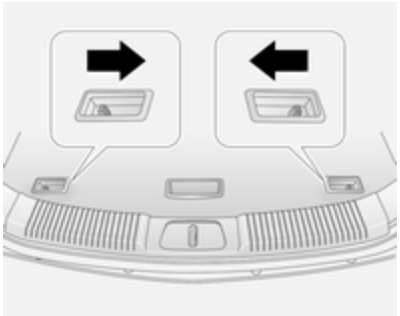
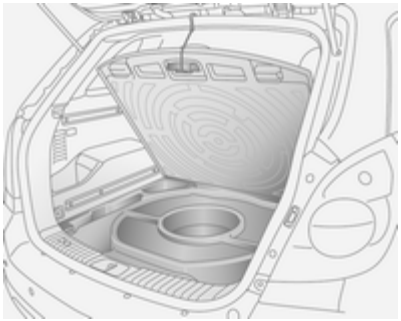
Rear floor storage cover



To access the rear floor storage compartment, push both levers on the floor cover towards the handle and pull up the cover by the handle.



Hang the hook to the upper part of the tailgate opening.

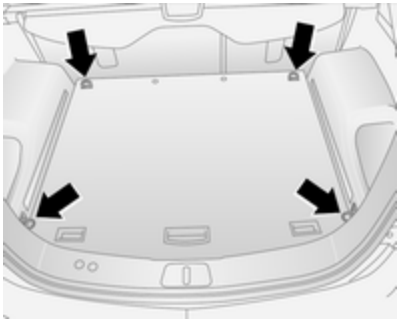
Caution
Do not allow objects to protrude above the top of the rear floor storage compartment, to avoid damage to the storage area and the load compartment floor.

Jack and vehicle tools ⇨ 166.

Tyre repair kit ⇨ 172.

Temporary spare wheel ⇨ 177.

Lashing eyes



The lashing eyes are designed to secure items against slippage, e.g. using lashing straps or a luggage floor net.

Two additional lashing eyes are located in front of the rear seats for fitting a safety net ⇨ 67.

Designed for carrying small, light items only, a luggage floor net helps keep loads from moving during sharp turns or quick starts and stops.

To install: attach the four net hooks to the lashing eyes mounted on the load compartment floor.

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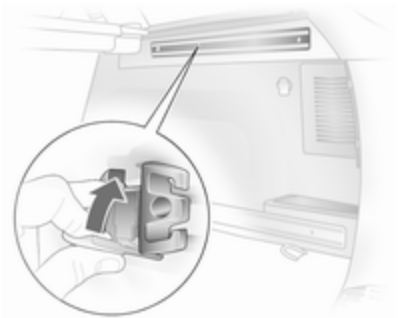
Cargo management system

The FlexOrganizer is a flexible system for dividing the load compartment or securing loads.

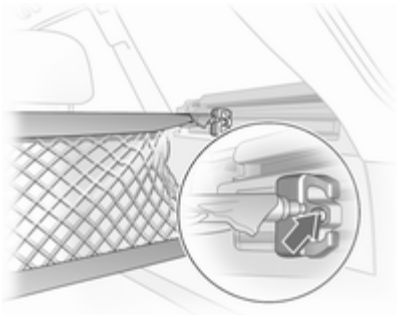


The system consists of:

- adapters,
- variable partition net,
- mesh pockets,
- hooks.

The components are fitted in two guide rails in the side walls of the load compartment using adapters and hooks.

Variable partition net



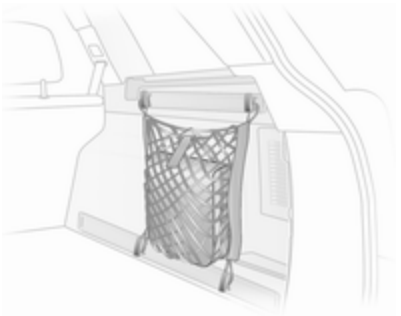
Insert an adapter into each rail: fold open the handle plate, insert adapter into upper and lower groove of rail and move to required position.

Turn handle plate upwards to lock the adapter. The rods of the net must be extended before inserting into the adapters: pull out all of the end pieces and lock by rotating clockwise.

To install, push rods together a little and insert into the relevant openings in the adapters. The longer rod must be inserted into the upper adapter.

To remove, press the net rod together and remove from the adapters. Fold open the adapter handle plate, disengage from lower groove and then from upper groove.

Hooks and mesh pocket



Insert the hooks in the desired position in the rails: insert the hook in the upper groove on the rail and press in the lower groove.

The mesh pocket can be hung from the hooks.

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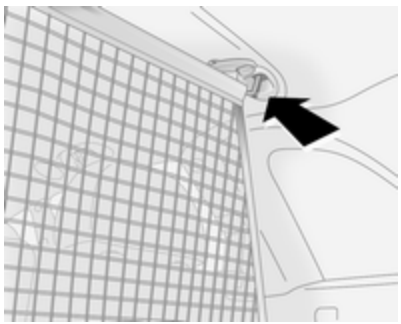
Safety net

The safety net can be mounted behind the rear seats or, if the rear seat backrests are folded down, in front of the rear seats.

Passengers must not be transported behind the safety net.

Fitting

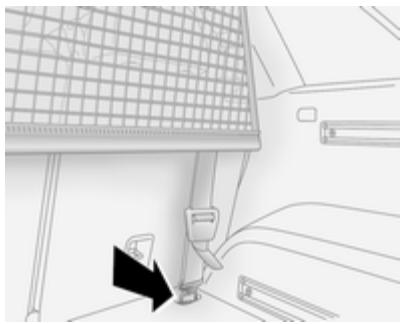


There are four installation openings in the roof frame, two located in front of and two behind the rear seats.

When fitting behind the rear seats, remove the load compartment cover ⇨ 64.

When fitting in front of the rear seats, push head restraints of the rear seats down and fold down rear seat backrests ⇨ 37.

Open aperture covers on the roof frame and insert top corners of safety net into large apertures in roof frame and secure by sliding them into the smaller apertures.



In front of and behind the rear seats on both sides of the vehicle are the hook holders (lashing eyes) for the lower strap hooks. Hang strap hooks in the two lashing eyes. Pull on the straps to take up any slack.

⚠Warning

Do not stack loads higher than the upper end of the safety net.

Avoid applying excessive force to the safety net or hanging heavy items from it.

Do not place loads behind the safety net which have sharp edges that could pass through the net in the event of heavy braking, for example.

Removing

Loosen straps by pulling up strap adjusters and remove the strap hooks from the lashing eyes. Pull top corners of safety net from the smaller apertures into the larger apertures and remove.

Warning triangle

Stow the warning triangle below the floor cover in the load compartment.

Back to overview

First aid kit

Stow the first aid kit below the floor cover in the load compartment.

Roof rack system

Roof rack

For safety reasons and to avoid damage to the roof, the vehicle approved roof rack system is recommended.

Fasten the roof rack to the roof rails following the instructions that accompany the system, ensuring that the roof load is evenly distributed over the side or cross rails.

Loads must not be placed on the roof surface. To prevent damage or loss, check frequently that roof loads are securely fastened.

Driving with a roof load affects the vehicle centre of gravity; drive carefully in crosswinds and do not drive at high speeds.

Remove the roof rack when not in use.

Loading information

- Heavy objects in the load compartment should be evenly distributed and placed as far forward as possible. Ensure the backrests are securely engaged. If objects can be stacked, the heavier objects should be placed at the bottom.

  With rear seats in the folded position, or with safety net installed behind rear seats, objects must not be stacked higher than the seat backrests.
- Secure objects with lashing straps attached to lashing eyes ⇨ 65.
- Secure loose objects in the load compartment using FlexOrganizer or a luggage floor net to prevent sliding.
- When transporting objects in the load compartment, fit the safety net ⇨ 67. The backrests of the rear seats must not be angled forward.

- Do not allow the load to protrude above the upper edge of the backrests.
- Do not place any objects on the load compartment cover or the instrument panel, and do not cover the sensor on top of the instrument panel.
- The load must not obstruct the operation of the pedals, electrical parking brake and gear selector, or hinder the freedom of movement of the driver. Do not place any unsecured objects in the interior.
- Do not drive with an open load compartment.
- The payload is the difference between the permitted gross vehicle weight (see identification plate ⇨ 189) and the EC kerb weight.

  To calculate the EC kerb weight, enter the data for your vehicle in the Weights table at the front of this manual.

  The EC kerb weight includes weights for the driver (68 kg), luggage (7 kg) and all fluids (tank 90 % full).

  Optional equipment and accessories increase the kerb weight.
- Driving with a roof load increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity. Distribute the load evenly and secure it properly with retaining straps. Adjust the tyre pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

  The permissible roof load is 100 kg. The roof load is the combined weight of the roof rack and the load.

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Instruments and controls

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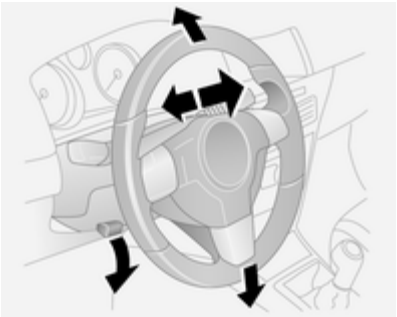
Warning lights, gauges and indicators 77
Information displays 88
Vehicle messages 96
Trip computer 97

Controls

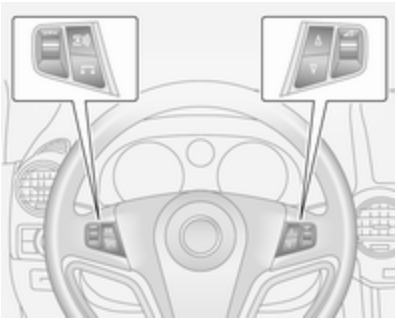
Steering wheel adjustment



Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked.

Do not adjust steering wheel unless vehicle is stationary and steering wheel lock has been released.

Steering wheel controls



The Infotainment system can be operated via the controls on the steering wheel.

Further information is available in the Infotainment system instruction manual.

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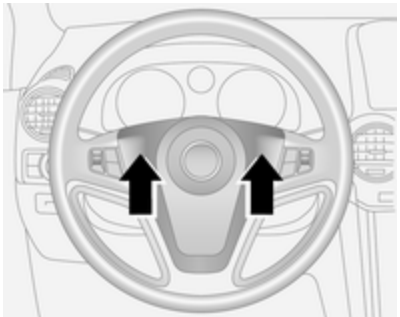
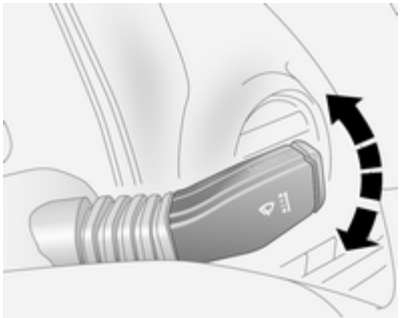
Horn



Press .

Windscreen wiper/washer

Windscreen wiper



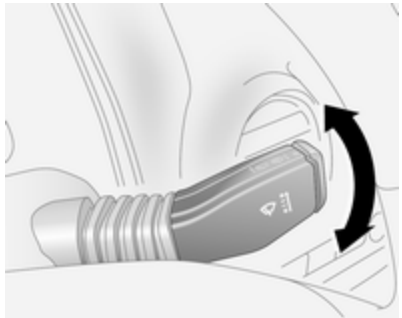
= fast
= slow
= timed interval wiping or automatic wiping with rain sensor
= off

For a single wipe when the windscreen wiper is off, press the lever down.

Do not use if the windscreen is frozen.

Switch off in car washes.

Adjustable wiper interval



To set the wiping interval to a value between 1 and 10 seconds:

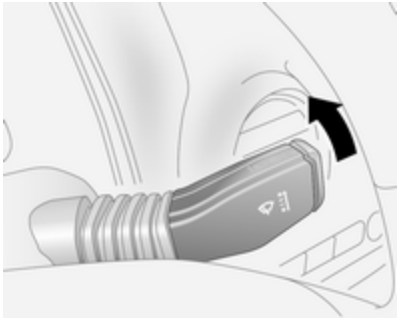
- Switch on ignition.
- Push lever down from position .
- Wait until wiping frequency reaches the desired interval.
- Set lever to position .

The interval remains stored until the next change or until the ignition is switched off. Switching the ignition on and moving the lever to sets the interval to 3.5 seconds.

Back to overview

In this mode, wiping frequency is also affected by vehicle speed. As vehicle speed increases, wiping will become more frequent.

Automatic wiping with rain sensor

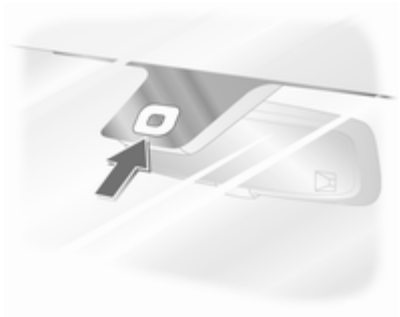


– – = automatic wiping with rain sensor

The rain sensor detects the amount of water on the windscreen and automatically regulates the frequency of the windscreen wiper.

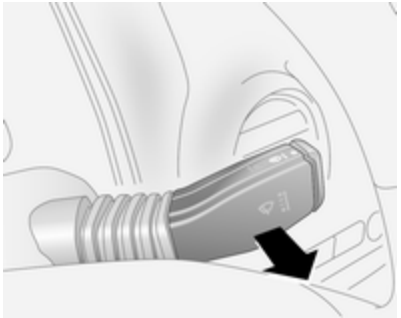
The wiper operates for one cycle to check the system when the key is turned to ignition switch position ACC.

To turn wiper off, move lever to position O.



Keep the rain sensor area clean by activating the windscreen washer system.

Windscreen and headlight washer



Pull lever. Washer fluid is sprayed onto the windscreen.

If the lever is held longer, the wiper operates for two cycles after the lever has been released and once more after a 3 second delay.

If the headlights are on, washer fluid is also sprayed onto the headlights. The headlight washer system can only be operated again after a short delay. If washer fluid level is low then this delay is increased.

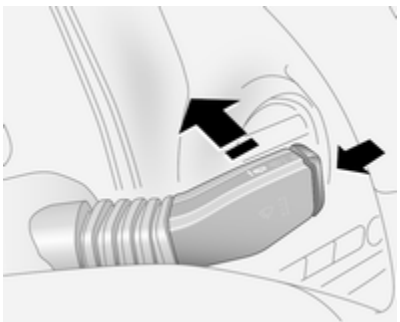
Back to overview

Control indicator illuminates in the instrument cluster when the washer fluid level is low.

Wiper activated lighting

With light switch in the **AUTO** position, when the windscreen wiper is operated for 8 cycles or more the exterior lights illuminate automatically.

Rear window wiper/washer



Move lever to activate the rear window wiper:

Push lever = wiper on
Pull lever = wiper off

To activate rear window washer system, press and hold button on end of lever. Washer fluid is sprayed onto rear window and the wiper wipes a few times when the button is released.

Do not use if the windscreen is frozen.

Switch off in car washes.

Outside temperature

20005

A drop in temperature is indicated immediately and a rise in temperature after a time delay.

If outside temperature drops to 3 °C, the symbol ❄ illuminates in the Board-Info-Display as a warning for icy road conditions. ❄ remains illuminated until outside temperature reaches at least 5 °C.

20002

In vehicles with Graphic-Info-Display or Colour-Info-Display, a message appears on the display as a warning for icy road conditions. There is no message below -5 °C.

Back to overview

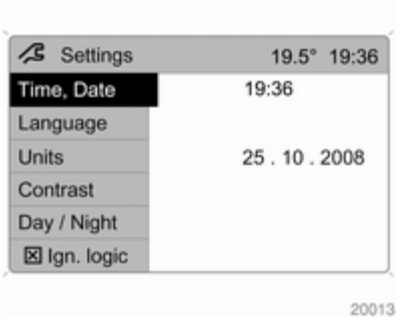
⚠Warning

The road surface may already be icy even though the display indicates a few degrees above 0 °C.

Clock

Date and time are shown in the Info-Display.

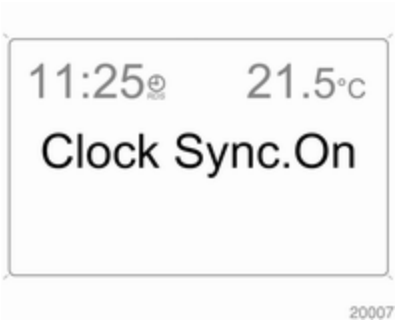
Board-Info-Display ⇨ 88.



Graphic-Info-Display, Colour-Info-Display ⇨ 91.

Automatic time synchronisation

Board-Info-Display



The RDS (Radio Data System) signal of most VHF transmitters automatically sets the time, identified by RDS in the display.

Some RDS transmitters do not send a correct time signal. In such cases, switch off automatic time synchronisation and set the time manually.

Deactivate (**Clock Sync.Off**) or activate (**Clock Sync.on**) automatic time synchronisation with the arrow buttons on the Infotainment system.

To set date and time manually, select the menu item for time and date setting from the **Settings** menu and make the desired setting. The value ready for modification is marked with arrows. Use the arrow buttons to make the required setting. The setting is saved when the menu item is exited.

To correct time with the help of RDS, select the menu item for time synchronisation from the **Settings** menu and make the desired setting.

Board-Info-Display ⇨ 88.

Graphic-Info-Display, Colour-Info-Display

With the navigation system, date and time are set automatically upon receipt of a GPS satellite signal. If the displayed time does not match local time, it can be corrected manually or automatically by receiving an RDS time signal.

Some RDS transmitters do not send a correct time signal. In such cases, switch off automatic time synchronisation and set the time manually.

To set date and time manually, select menu item **Time, Date** from the **Settings** menu. The menu is displayed. Select the menu items required and make the desired setting.

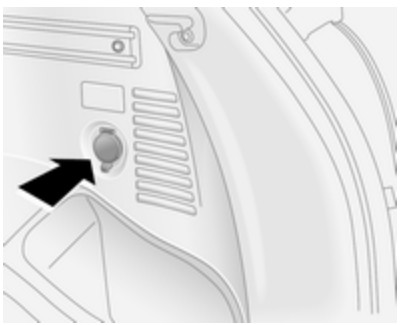
To correct time with the help of RDS, select menu item **Synchron. clock automatical.** from the **Time, Date** menu. The box in front of **Synchron. clock automatical.** will be checked.

Graphic-Info-Display, Colour-Info-Display ⇨ 91.

Power outlets

The socket for the cigarette lighter can be used to connect electrical accessories.

A 12 Volt power outlet is located in the rear centre console.



An additional 12 Volt power outlet is located on the right-hand side of the load compartment.

Pull the cap out to use the accessory socket, and replace the cap when not in use.

Do not exceed the maximum power consumption of 120 watts.

Operational with ignition switch in positions **ACC** or **ON**. Use of accessory sockets while the engine is not running will discharge the battery.

Electrical accessories that are connected must comply with the electromagnetic compatibility requirements laid down in DIN VDE 40 839.

Do not connect any current-delivering accessories, e.g. electrical charging devices or batteries.

Do not damage the outlet by using unsuitable plugs.

Cigarette lighter

The cigarette lighter is located in the front centre console.

With ignition switch in position **ACC** or **ON**, press in cigarette lighter. Heating switches off automatically once the element is glowing. Pull out lighter.

Ashtrays

Caution
To be used only for ash and not for combustible rubbish.

Back to overview

The portable front ashtray can be placed in the front console cupholder.

To open: gently lift up lid. Illuminates depending on outside light conditions.

To empty: rotate upper part of ashtray anticlockwise and remove. After use, close lid firmly.

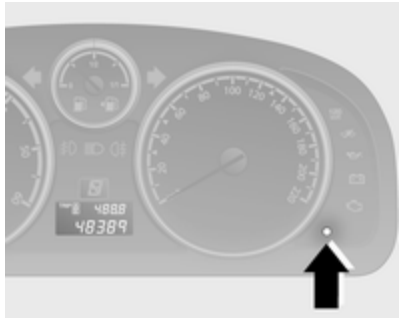
To replace battery: remove screw on ashtray lid and replace with CR 2032 (or equivalent) battery.

Warning lights, gauges and indicators

Speedometer

Indicates vehicle speed.

Odometer



The bottom line displays the recorded distance.

Trip odometer

The top line displays the recorded distance since the last reset.

There are two independent trip odometers. Press the trip odometer button once to toggle between Trip A and Trip B.

To reset, hold the trip odometer button depressed for a few seconds with the ignition on.

Back to overview

Tachometer

Displays the engine speed.

Drive in a low engine speed range for each gear as much as possible.

Caution
If the needle is in the red warning zone, the maximum permitted engine speed is exceeded. Engine at risk.

Fuel gauge

Displays the fuel level in the tank.

Control indicator ⛽ illuminates if the level in the tank is low. Refuel immediately ⇨ 139.

Never run the tank dry. Erratic fuel supply can cause catalytic converter to overheat ⇨ 123.

Diesel engines: if the tank has been run dry, bleed the fuel system ⇨ 151.

Because of the fuel remaining in the tank, the top-up quantity may be less than the specified tank capacity ⇨ 194.

Transmission display

Displays the mode or selected gear with automatic transmission.

P = park position
R = reverse gear
N = neutral
D = drive position (automatic mode)
1-6 = selected gear in manual mode

Control indicators

The control indicators described are not present in all vehicles. The description applies to all instrument versions.

Back to overview

When the ignition is switched on, most control indicators will illuminate briefly as a functionality test.

The control indicator colours mean:

red = danger, important reminder
yellow = warning, information, fault
green = confirmation of activation
blue = confirmation of activation

Control indicators on the instrument panel

illuminates yellow.

The front passenger airbag is activated.

illuminates yellow.

The front passenger airbag is deactivated ⇨ 44.

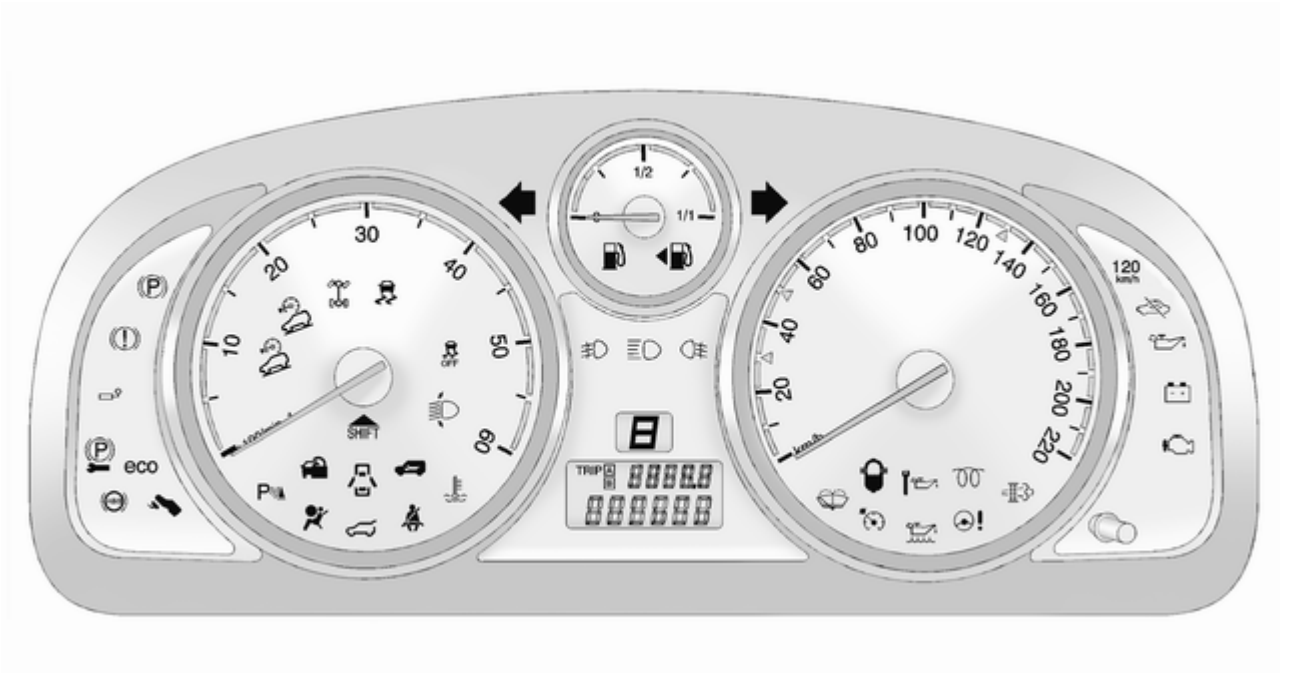
⚠ Danger

Risk of fatal injury for a child using a child restraint system together with activated front passenger airbag.

Risk of fatal injury for an adult person with deactivated front passenger airbag.

Back to overview

Control indicators in the instrument cluster



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Turn signal

⇦⇨ illuminates or flashes green.

The relevant control indicator flashes when the turn signal is switched on ⇨ 105.

Rapid flashing: failure of a turn signal bulb or the associated fuse or failure of a turn signal light on trailer.

Both control indicators flash when the hazard warning flashers are active ⇨ 104.

Bulb replacement ⇨ 152, Fuses ⇨ 159.

Turn signals ⇨ 105.

Seat belt reminder

illuminates or flashes red.

When the engine is running, if driver's seat belt is not engaged, will flash for 90 seconds then illuminate until seat belt is fastened.

If vehicle speed exceeds 22 km/h, will flash for 90 seconds along with a warning chime and remains illuminated until seat belt is fastened.

Fastening the seat belt ⇨ 39.

Front passenger seat belt reminder ²
⇨ 40.

Airbag and belt tensioners

illuminates red.

When the ignition is switched on, flashes briefly. If it does not flash, stays lit or flashes during driving, there is a fault with the belt pretensioners or the airbag system. Seek the assistance of a workshop. The airbags and belt pretensioners may fail to trigger in the event of an accident.

Deployment of the belt pretensioners or airbags is indicated by continuous illumination of .

⚠Warning

Have the cause of the fault remedied immediately by a workshop.

Belt pretensioners, airbag system ⇨ 39, ⇨ 42.

Charging system

illuminates red.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts. If it does not illuminate, seek the assistance of a workshop.

Illuminates when the engine is running

Stop vehicle and switch off engine. Battery is not charging. Engine cooling may be interrupted. The brake servo unit may cease to be effective.

Interrupt your journey immediately. Remove key and check drive belt condition and tensioning before seeking the assistance of a workshop.

Malfunction indicator light

illuminates or flashes yellow.

Back to overview

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts. If it does not illuminate, seek the assistance of a workshop.

Can illuminate briefly when driving; this is normal and does not indicate a system fault.

Illuminates when the engine is running

Fault in the emission control system. The permitted emission limits may be exceeded. Fuel economy and vehicle driveability may be impaired. Seek the assistance of a workshop immediately.

Control indicator also illuminates if there is a fault in the diesel particle filter ⇨ 122 or with the automatic transmission ⇨ 126. Seek the assistance of a workshop as soon as possible.

Ensure the fuel filler cap is screwed in completely ⇨ 139.

Flashes when the engine is running

Fault that could lead to catalytic converter damage ⇨ 123. Ease up on the accelerator until the flashing stops. Seek the assistance of a workshop immediately.

Service vehicle soon

illuminates yellow.

Illuminates when the engine is running to indicate a fault in the engine or transmission electronics. The electronics switch to an emergency running programme, fuel consumption may be increased and vehicle handling may be impaired.

In some cases, the fault can be eliminated by switching the engine off and back on again. If illuminates again after restarting the engine, the vehicle may need a service.

Have the cause of the fault eliminated by a workshop.

Brake system

illuminates red.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts. If it does not illuminate, stop and seek the assistance of a workshop.

If it stays lit while the engine is running, the brakes do not operate as normal, or leaks are found in the brake system, do not attempt to drive the vehicle. Have the vehicle towed to a workshop for inspection and repair.

⚠ Warning

Stop. Do not continue your journey. Consult a workshop.

Illuminates when engine is running if fluid level for brake hydraulics is too low ⇨ 150.

Brake system ⇨ 130.

Electrical parking brake

(P) illuminates or flashes red.

Back to overview

When the engine is started, Ⓟ illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

Illuminates

Electrical parking brake is applied ⇨ 131.

Flashes

Electrical parking brake is not fully applied or released.

Switch on ignition, depress brake pedal and attempt to reset the system by first releasing and then re-applying the electrical parking brake.

If Ⓟ remains flashing, do not drive and seek the assistance of a workshop.

Electrical parking brake fault

illuminates yellow.

When the ignition is switched on, illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

Illuminates

Electrical parking brake is operating with degraded performance ⇨ 131.

⚠Warning

Have the cause of the fault remedied immediately by a workshop.

Antilock brake system (ABS)

(ABS) illuminates yellow.

The system is ready for operation when the control indicator extinguishes.

If the control indicator does not illuminate when the ignition is switched on, stays lit or illuminates during driving, there is a fault in the ABS. The brake system remains operational but without ABS regulation.

If control indicator (ABS) illuminates during driving along with brake system control indicator (!), there is a serious fault in the brake system. Have the system checked immediately by a workshop.

Antilock brake system ⇨ 130.

Upshift

SHIFT illuminates green.

Upshifting is recommended for fuel saving purposes.

All wheel drive

illuminates or flashes yellow.

Illuminates briefly when the ignition is switched on. If it does not illuminate, seek the assistance of a workshop.

Flashes briefly when the engine is running

The system is temporarily disabled.

Flashes continuously when the engine is running

System fault. Seek the assistance of a workshop immediately.

All wheel drive ⇨ 128.

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Descent control system

illuminates yellow and/or green.

Both the yellow and green control indicators illuminate briefly when the ignition is switched on.

Green

Illuminates when system is ready for operation.

Flashes during driving when system is in operation, after pressing the button.

Yellow

Flashes to indicate system is not ready for conditions to operate.

Illuminates to indicate there is a fault in the system.

If it flashes or illuminates during driving, friction material needs to cool down: drive the vehicle without braking as much as possible.

Descent control system ⇨ 134.

Power steering

! illuminates yellow.

When the ignition is switched on, **!** illuminates briefly. If it does not illuminate, stays lit or illuminates during driving, there is a fault in the system. Seek the assistance of a workshop.

Power steering ⇨ 119.

Ultrasonic parking assist

P illuminates yellow.

Fault in system

or

Fault due to sensors that are dirty or covered by ice or snow

or

Interference due to external sources of ultrasound. Once the source of interference is removed, the system will operate normally.

Have the cause of the fault in the system remedied by a workshop.

Ultrasonic parking assist ⇨ 137.

Electronic Stability Control

illuminates or flashes yellow.

When the engine is started, illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

Illuminates

Fault in the system. Continued driving is possible. Driving stability, however, may deteriorate depending on road surface conditions.

Have the cause of the fault remedied by a workshop.

Flashes

The system is actively engaged. Engine output may be reduced and the vehicle may be braked automatically to a small degree.

Electronic Stability Control ⇨ 133.

Electronic Stability Control off

OFF illuminates yellow.

When the ignition is switched on, OFF illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

Back to overview

Illuminates when ESC has been switched off manually by pressing button on the centre console.

Electronic Stability Control ⇨ 133.

Engine coolant temperature

illuminates red.

When the engine is started, illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

Illuminates when the engine is running

Stop vehicle and switch off engine.

Caution
Coolant temperature too high.

Check coolant level ⇨ 148.

If there is sufficient coolant, seek the assistance of a workshop.

Preheating

illuminates yellow.

Preheating is activated. Only activates when outside temperature is low.

If it illuminates during driving or if the engine cannot be started, seek the assistance of a workshop as soon as possible.

Starting the engine ⇨ 120.

Diesel particle filter

illuminates or flashes yellow.

The diesel particle filter requires cleaning.

Continue driving until extinguishes. If possible, do not allow engine speed to drop below 2000 rpm.

Illuminates during driving

The diesel particle filter is full. Start cleaning process as soon as possible.

Flashes during driving

The maximum filling level of the filter is reached. Start cleaning process immediately to avoid damage to the engine.

Diesel particle filter ⇨ 122.

Engine oil pressure

illuminates red.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts. If it does not illuminate, seek the assistance of a workshop.

Illuminates when the engine is running

Caution
Engine lubrication may be interrupted. This may result in damage to the engine and/or locking of the drive wheels.

1. Depress clutch.
2. Select neutral gear, set selector lever to **N**.
3. Move out of the flow of traffic as quickly as possible without impeding other vehicles.
4. Switch off ignition.

⚠Warning

When the engine is off, considerably more force is needed to brake and steer.

Do not remove key until vehicle is stationary, otherwise the steering wheel lock could engage unexpectedly.

Check oil level before seeking the assistance of a workshop ⇨ 147.

Low engine oil level

illuminates yellow.

When the ignition is switched on, illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

Illuminates during driving

Oil level is low: top up oil to specified level ⇨ 147.

Change engine oil

Engine oil life monitor

illuminates yellow.

When the engine is started, illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

The engine oil life monitor lets you know when to change the oil. Control indicator illuminates to indicate that engine oil life has been diminished and the oil needs changing.

Based on driving conditions, the interval at which an oil change will be indicated can vary considerably.

Change oil within 1000 km. Engine power may be decreased.

Once the engine oil has been changed ⇨ 147, the engine oil life monitor needs to be reset. Seek the assistance of a workshop.

Fuel economy mode

eco illuminates green.

Illuminates when fuel ecomony mode is switched on ⇨ 125.

Low fuel

illuminates yellow.

When the engine is started, illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

Illuminates during driving when fuel level in tank is too low. Refuel immediately ⇨ 139.

Never run the tank dry. Erratic fuel supply can cause catalytic converter to overheat ⇨ 123.

Diesel engines: if the tank has been run dry, bleed the fuel system ⇨ 151.

Fuel tank capacity ⇨ 194.

Drain fuel filter

illuminates yellow.

Illuminates when water level in diesel fuel filter exceeds a specified level.

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Residual water in the diesel fuel filter must be drained ⇨ 151. Seek the assistance of a workshop as soon as possible.

Immobiliser

illuminates red.

When the engine is started, illuminates briefly. If it does not illuminate, seek the assistance of a workshop.

Illuminates to indicate a fault in the immobiliser system. The engine cannot be started.

Electronic immobiliser ⇨ 26.

Apply footbrake

illuminates yellow.

Brake pedal needs to be depressed to release the electrical parking brake ⇨ 131.

High beam

illuminates blue.

Illuminated when high beam is on and during headlight flash ⇨ 103.

Automatic headlight levelling system

illuminates yellow

Illuminates during driving to indicate a fault that requires immediate attention. Seek the assistance of a workshop as soon as possible.

Automatic headlight range adjustment ⇨ 103.

Fog light

illuminates green.

Illuminates when the front fog lights are switched on ⇨ 105.

Rear fog light

illuminates yellow.

Illuminates when the rear fog light is switched on ⇨ 106.

Low washer fluid

illuminates yellow.

Illuminates when the washer fluid level is low.

Washer fluid ⇨ 149.

Cruise control

illuminates yellow or green.

Illuminates yellow

The system is ready for operation.

Illuminates green

A certain speed is stored.

Cruise control ⇨ 135.

Speed warning

120 km/h illuminates yellow.

In vehicles equipped with the overspeed warning light, when vehicle speed exceeds 120 km/h, control indicator 120 km/h flashes, accompanied by a warning chime, to warn the driver to reduce speed as appropriate.

Back to overview

Trailer indicator

illuminates green.

Illuminates when a trailer is connected to the vehicle ⇨ 141.

Door open

illuminates red.

Illuminates when a door is open or not securely latched.

Tailgate open

illuminates red.

Illuminates when tailgate is open or not securely latched ⇨ 22.

Anti-theft alarm system

illuminates yellow.

Illuminates when alarm system monitoring of the passenger compartment and vehicle inclination has been switched off with button in the roof lining.

Anti-theft alarm system ⇨ 23.

Information displays

Board-Info-Display

The Info-Display is located in the instrument panel above the Infotainment system.

Info-Display indicates:

- time ⇨ 74
- outside temperature ⇨ 73
- date ⇨ 74
- Infotainment system - see Infotainment system instruction manual

The Info-Display is located in the instrument panel above the Infotainment system.

An F in the display indicates a fault. Have the cause of the fault remedied by a workshop.

Trip computer, Board-Info-Display ⇨ 97.

Selecting functions

Functions and settings of the Infotainment system can be accessed via the Info-Display.

Functions are selected and executed in the menu on the display using the arrow buttons on the Infotainment system or the left adjuster wheel on the steering wheel.

If a check control warning message appears on the Info-Display, the display is blocked from other functions. Acknowledge the message by pressing the **OK** button or the left adjuster wheel. If there are several warning messages, acknowledge them one at a time.

Check control ⇨ 96.

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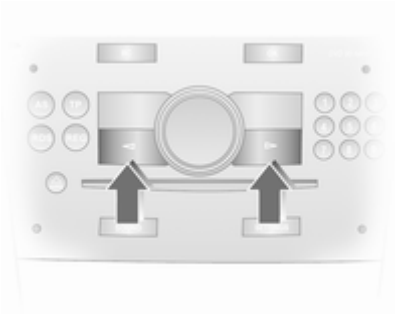
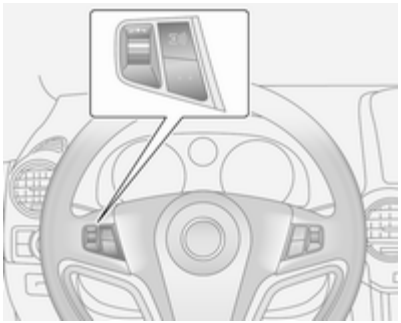
Select using the Infotainment system buttons



In the **Settings** menu, use the **OK** button to call up the required function. Use the arrow buttons to change settings.

In the **BC** menu, use the **OK** button to call up the required function. Use the **OK** button to operate the stop watch or restart measurement and calculation.

Select using the left adjuster wheel on the steering wheel



Turn the adjuster wheel to call up the required function.

Press the adjuster wheel to open the **BC** menu, to select marked items and confirm commands. In the **BC** menu press to operate the stop watch or restart measurement and calculation.

System settings

Press the **Settings** button of the Infotainment system. Menu item **Audio** then opens.

Call up **System** with the left arrow button and select with the **OK** button.

The first function of the **System** menu is highlighted. Some of the functions appear on the display in an abbreviated form.

The functions are displayed in the following order:

- Time synchronisation
- Time, setting hours

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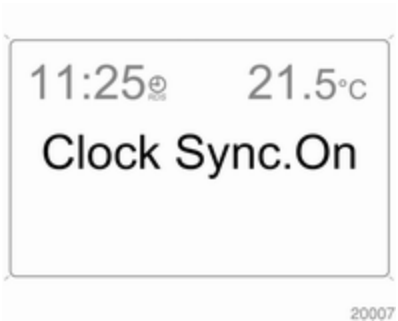
- Time, setting minutes
- Date, setting day
- Date, setting month
- Date, setting year
- Ignition logic
- Language selection
- Setting units of measure

Automatic time synchronisation



The RDS (Radio Data System) signal of most VHF transmitters automatically sets the time, identified by RDS in the display.

Some transmitters do not send a correct time signal. In such cases, switch off automatic time synchronisation and set the time manually.

Deactivate (**Clock Sync.Off**) or activate (**Clock Sync.on**) automatic time synchronisation with the arrow buttons.

Setting date and time

To set date and time manually, select the menu item for time and date settings and make the desired setting.

The value ready for modification is marked with arrows. Use the arrow buttons to make the required setting. The setting is saved when the menu item is exited.

Ignition logic

See Infotainment system instruction manual.

Language selection

The display language for some functions can be selected.

Select the required language with the arrow buttons.

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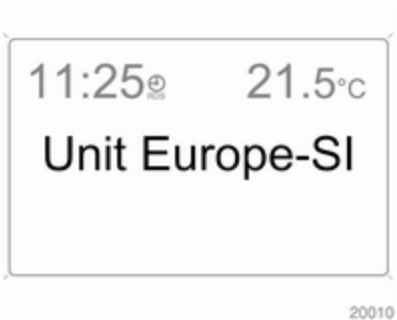
Setting units of measure



Select the required unit of measurement with the arrow buttons.

Graphic-Info-Display, Colour-Info-Display

Depending on the vehicle configuration the vehicle has a Graphic-Info-Display or Colour-Info-Display. The Info-Display is located in the instrument panel above the Infotainment system.

Info-Display indicates:

- time ⇨ 74
- outside temperature ⇨ 73
- date ⇨ 74
- Infotainment and navigation systems - see Infotainment system instruction manual
- system settings

The Info-Display is located in the instrument panel above the Infotainment system. The Graphic-Info-Display presents the information in monochrome. The Colour-Info-Display presents the information in colour.

The type of information and how it is displayed depends on the equipment of the vehicle and the settings of the trip computer and Infotainment system. Some information appears on the display in an abbreviated form.

An F in the display indicates a fault. Have the cause of the fault remedied by a workshop.

Trip computer, Graphic-Info-Display, Colour-Info-Display ⇨ 98.

Selecting functions

The functions and settings of the Infotainment system can be accessed via the Info-Display.

Functions are selected and executed in the menu on the display using the arrow buttons and the central multifunction knob on the Infotainment system or the left adjuster wheel on the steering wheel.

If a check control warning message appears on the Info-Display, the display is blocked from other functions. Acknowledge the message by pressing an arrow button, the multifunction knob or the left adjuster

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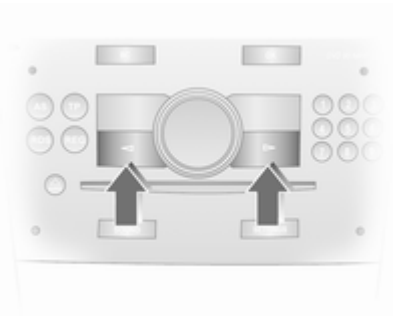
wheel. If there are several warning messages, acknowledge them one at a time.

Check control ⇨ 96.

Select using the Infotainment system buttons



Select a function via the Infotainment system arrow buttons. The menu of the selected function is displayed.

Select using the central multifunction knob

The multifunction knob is the central control element for the menus:

Turn

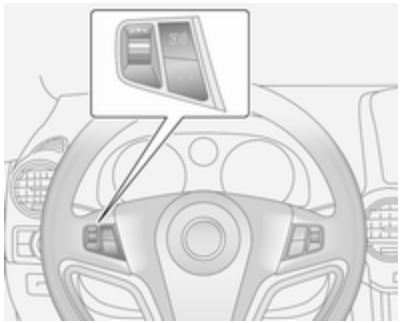
- To mark a menu option
- To set a numeric value or to display a menu option

Press

- To select or activate the marked option
- To confirm a set value
- To switch a system function on/off

To exit a menu, turn the multifunction knob left or right to **Return** or **Main** and select.

Select using the left adjuster wheel on the steering wheel



Turn the adjuster wheel to call up the required function.

Press the adjuster wheel to select marked items and confirm commands. Press to operate the stop watch or restart measurement and calculation.

Trip computer ⇨ 98.

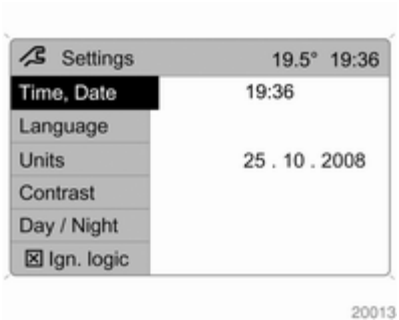
Function areas

For each function area there is a main page (Main), which is selected at the top edge of the display:

- Audio,
- Navigation,
- Telephone,
- Trip computer.

See Infotainment system instruction manual for further information.

System settings



The settings are accessed via the **Settings** menu. Press the **Main** button (not found on all Infotainment systems) on the Infotainment system, to call up main display. Press the **Settings** button. On Infotainment System CD 30, ensure no menu has been selected. The **Settings** menu is displayed.

The functions are displayed in the following order:

- **Time, Date**
- **Language**
- **Units**
- **Contrast**
- **Day / Night**
- **Ignition logic**

Setting date and time

With the navigation system, date and time are set automatically upon receipt of a GPS satellite signal. If the displayed time does not match local time, it can be corrected manually or automatically by receiving an RDS time signal.

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Some RDS transmitters do not send a correct time signal. In such cases, switch off automatic time synchronisation and set the time manually.

To set date and time manually, select menu item **Time, Date** from the **Settings** menu. The menu is displayed. Select the menu items required and make the desired setting.

To correct time with the help of RDS, select menu item **Synchron. clock automatical.** from the **Time, Date** menu. The box in front of **Synchron. clock automatical.** will be checked.

Language selection

The display language for some functions can be selected. Select menu item **Language** from the **Settings** menu. The available languages are displayed.

Select the desired language. Selections are indicated by a ► in front of the menu item.

In systems with voice output, when the language setting of the display is changed, the system will ask whether the announcement language should also be changed – see Infotainment system instruction manual.

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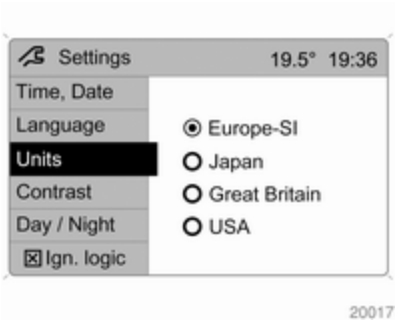
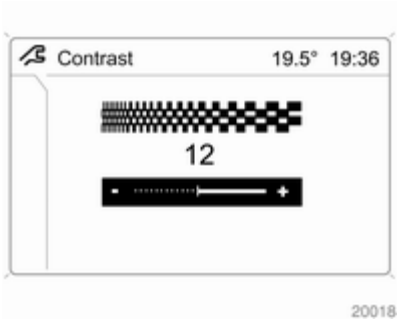
Setting units of measure



Select menu item **Units** from the **Settings** menu. The available units are displayed. Select the desired unit.

Selections are indicated by a ● in front of the menu item.

Adjusting contrast (Graphic-Info-Display)



Select menu item **Contrast** from the **Settings** menu. The menu is displayed. Confirm the required setting.

Setting display mode

The display can be adjusted to suit the lighting conditions:

Select menu item **Day / Night** from the **Settings** menu. The options are displayed.

Automatic; adapted based on vehicle lighting.

Always day design; black or coloured text on a light background.

Always night design; white or coloured text on a dark background.

Selections are indicated by a ● in front of the menu item.

Ignition logic

See Infotainment system instruction manual.

Back to overview

Vehicle messages

Warning chimes

When starting the engine or whilst driving

- If seat belt is not fastened.
- When operating the turn and lane-change signals.
- When the vehicle is being driven and the electrical parking brake is applied ⇨ 131.
- When releasing the electrical parking brake without applying the foot brake ⇨ 87.
- If there is a fault in the braking system ⇨ 82.
- If the parking assist detects an object ⇨ 137.
- In vehicles equipped with engine overspeed warning; when vehicle speed exceeds 120 km/h ⇨ 87.

When the vehicle is parked and/ or the driver's door is opened

- When the key is in the ignition switch.
- With exterior lights on.

Tyre pressure

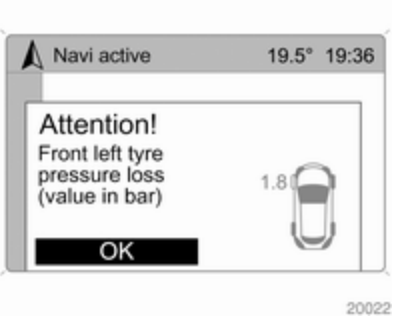
Check control

In vehicles with tyre pressure monitoring system, if low tyre pressures are detected, relevant information appears on the information display.

Reduce speed and check tyre pressure at the next opportunity.

Tyre pressure monitoring system ⇨ 169.

Check tyre pressures ⇨ 169, ⇨ 195.



If there is a considerable loss of pressure, a corresponding message appears indicating the relevant tyre.

Steer out of the flow of traffic as quickly as possible without endangering other vehicles. Stop and check the tyres. Mount the spare wheel ⇨ 175, ⇨ 177.

Tyre pressure monitoring system ⇨ 169.

Back to overview

Trip computer

Trip computer in Board-Info-Display

The trip computer provides information on driving data, which is continually recorded and evaluated electronically. Access trip computer vehicle data by pressing the **BC** button on the Infotainment system or the left adjuster wheel on the steering wheel.

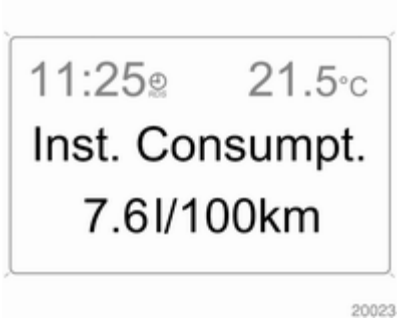
Some of the functions appear on the display in an abbreviated form. Once a function has been selected, the subsequent rows of the trip computer function are displayed.

The functions are displayed in the following order:

- Instantaneous consumption
- Average consumption
- Effective consumption
- Average speed
- Distance travelled
- Range
- Stop watch

Board-Info-Display ⇨ 88.

Instantaneous consumption



Display of the instantaneous consumption.

Display changes depending on speed:

Display in l/h	=	below 13 km/h
Display in l/100 km	=	above 13 km/h

Average consumption

Display of average consumption. The measurement can be reset at any time.

Effective consumption

Display of the amount of fuel consumed. The measurement can be reset at any time.

Average speed

Display of average speed. The measurement can be reset at any time.

Stoppages in the journey with the ignition off are not included in the calculations.

Distance travelled

Display of distance travelled. The measurement can be reset at any time.

Range

Range is calculated from current fuel tank content and instantaneous consumption. The display shows average values.

Back to overview

After refuelling, the range is updated automatically after a brief delay.

If the fuel in the tank allows less than 50 km of travel, the warning **Range** appears on the display.

If the fuel in the tank allows less than 30 km of travel, the warning **Refuel!** appears on the display.

Acknowledge the menu item ⇨ 88.

Resetting trip computer information

Select the desired trip computer information and reset by pressing the left adjuster wheel on the steering wheel or the **OK** button on the Infotainment system.

Stop watch

Using the arrow buttons:

To start, press left arrow button to select menu item **Start** and press **OK** button to start/stop. To reset, press left arrow button to select menu item **Reset** and press **OK** button.

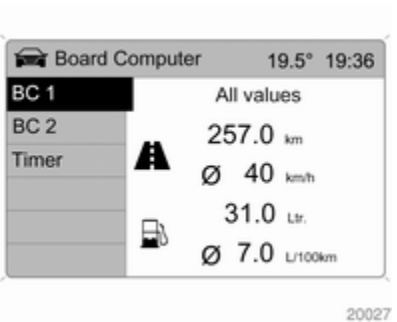
Using the left adjuster wheel on the steering wheel:

To start, select menu item **Start** and press to start/stop. To reset, select menu item **Reset** and press to confirm command.

Interruption of power supply

If the power supply has been interrupted or if the battery voltage has dropped too low, the values stored in the trip computer will be lost.

Trip computer in Graphic-Info-Display or Colour-Info-Display



The trip computers provide information on driving data, which is continually recorded and evaluated electronically. The trip computer main

page provides information on range, average consumption and instantaneous consumption.

To display other trip computer data, press the **BC** button on the Infotainment system and select the trip computer menu in the display.

The information of the two trip computers can be reset separately, making it possible to display different trip distances.

Graphic-Info-Display, Colour-Info-Display ⇨ 91.

Range

20025

Range is calculated from current fuel tank content and instantaneous consumption. The display shows average values.

After refuelling, the range is updated automatically after a brief delay.

20026

If the fuel in the tank allows less than 50 km of travel, the warning **Range** appears on the display.

If the fuel in the tank allows less than 30 km of travel, the warning **Refuel!** appears on the display.

Acknowledge the menu item ⇨ 91.

Instantaneous consumption

Display of the instantaneous consumption.

Display changes depending on speed:

Display in l/h	=	below 13 km/h
Display in l/100 km	=	above 13 km/h

Distance travelled

Display of distance travelled. The measurement can be reset at any time.

Average speed

Display of average speed. The measurement can be reset at any time.

Stoppages in the journey with the ignition off are not included in the calculations.

Effective consumption

Display of the amount of fuel consumed. The measurement can be reset at any time.

Back to overview

Average consumption

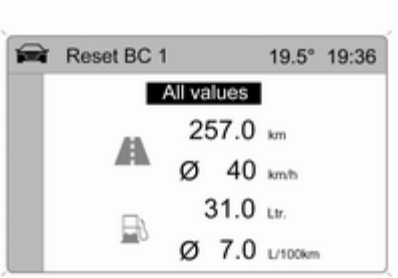
Display of average consumption. The measurement can be reset at any time.

Resetting trip computer information

20028

Select **BC 1** or **BC 2** from the trip computer menu.

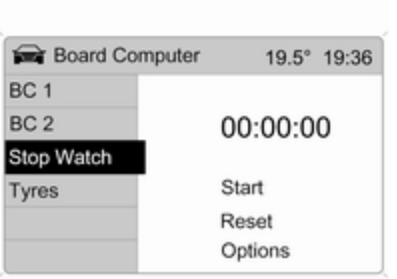
Select the desired trip computer information and reset by pressing the left adjuster wheel on the steering wheel or the **OK** button on the Infotainment system.



20029

To reset all information of a trip computer, select menu item **All values**. After resetting, "- - -" is displayed for the trip computer information selected. The recalculated values are displayed after a brief delay.

Stop watch



20030

Select menu item **Timer** from the **Board Computer** menu. The **Timer** menu is displayed.

To start, select menu item **Start**. To reset, select menu item **Reset**.

The desired stop watch display can be selected from the **Options** menu:

Driving Time excl. Stops: The time the vehicle is in motion is recorded. Stationary time is not included.

Driving Time incl. Stops: The time the vehicle is in motion is recorded. The time the vehicle is stationary with the key in the ignition switch is included.

Back to overview

Travel Time: Measurement of the time from manual activation via **Start** to manual deactivation via **Reset**.

Interruption of power supply

If the power supply has been interrupted or if the battery voltage has dropped too low, the values stored in the trip computer will be lost.

Lighting

Exterior lighting 102
Interior lighting 107
Lighting features 109

Exterior lighting

Light switch

Turn light switch:

AUTO = Automatic light control: Headlights are switched on and off automatically depending on external lighting conditions.

0 = Off (or deactivation of automatic light control).

= Sidelights

D = Headlights

Tail lights

Tail lights illuminate together with the headlights and sidelights.

Automatic light control

When the automatic light control function is switched on and the engine is running, low beam switches on automatically depending on outside light conditions.

For reasons of safety, the light switch should always remain in the **AUTO** position.

Back to overview

To ensure automatic light control functions properly, do not cover the light sensor on top of the instrument panel.

Daytime running lights

Daytime running lights increase visibility of the vehicle during daylight. They come on automatically when the engine is started and switch off when the sidelights or low beam are on, or when the engine is stopped.

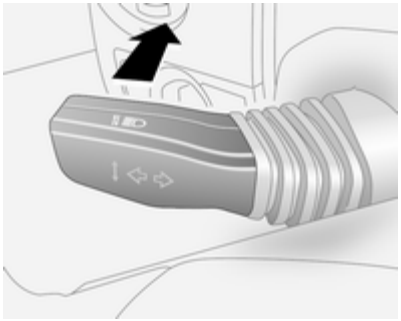
Follow the regulations of the country in which you are driving when using daytime running lights and front fog lights.

Driving abroad ⇨ 104.

Wiper activated lighting

With light switch in the **AUTO** position, when the windscreen wiper is operated for 8 cycles or more the exterior lights illuminate automatically.

High beam



To switch from low to high beam, push lever.

To switch to low beam, pull lever back again.

Control indicator ≣D ⇨ 87.

Headlight flash

To activate the headlight flash, pull lever.

Headlight range adjustment

Manual headlight range adjustment

With low beam switched on, adapt headlight range to suit vehicle load. Correct adjustment of the headlight range reduces dazzle for other road users.

Vehicles without automatic level control system

Turn thumb wheel to required position:

0 = front seats occupied
1 = all seats occupied
2 = all seats occupied and load compartment laden
3 = driver's seat occupied and load compartment laden

Vehicles with automatic level control system

Turn thumb wheel to required position:

0 = front seats occupied
1 = all seats occupied
1 = all seats occupied and load compartment laden
2 = driver's seat occupied and load compartment laden

Automatic level control ⇨ 135.

Automatic headlight range adjustment

On vehicles with Xenon headlights, the headlight range is adjusted automatically based on vehicle load.

If control indicator illuminates in the instrument cluster while driving, a fault has occurred. Have the cause of the fault remedied immediately by a workshop.

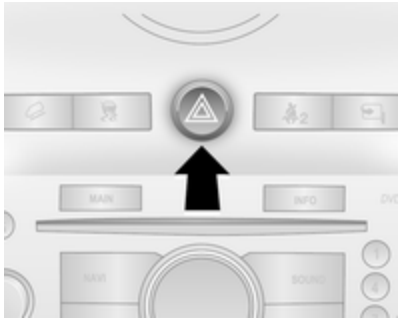
Control indicator ⇨ 87.

Headlights when driving abroad

The asymmetrical headlight beam extends visibility at the edge of the road on the passenger side.

However, when driving in countries where traffic drives on the opposite side of the road, have the headlights adjusted to prevent dazzling of oncoming traffic. Seek the assistance of a workshop.

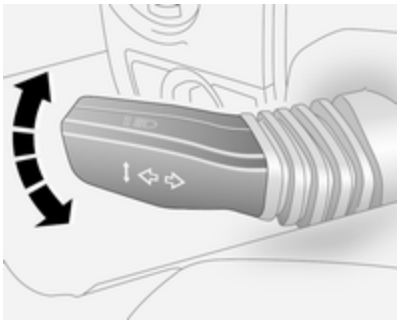
Hazard warning flashers



Operated with the ⚠ button.

In the event of an accident with airbag deployment the hazard warning flashers are activated automatically.

Turn and lane-change signals



lever up = right turn signal
lever down = left turn signal

If the lever is moved past the resistance point, the turn signal is switched on constantly.

When the steering wheel is turned back, the turn signal is automatically deactivated. This will not happen when making a minor steering manoeuvre such as lane changing.

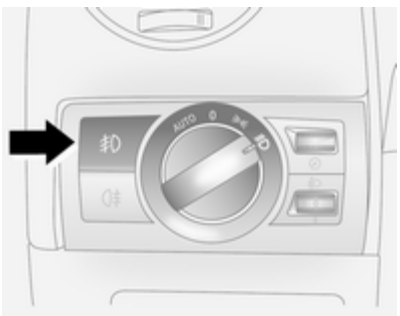
For three flashes, e.g. when changing lanes, press the lever until resistance is felt and then release. Move the lever to the resistance point and hold for longer indication.

The volume of the turn signal audible warning is dependent upon vehicle speed.

Switch the turn signal off manually by moving the lever to its original position.

Control indicators ⇦ ⇨ 81.

Front fog lights



Operated with the ≢D button. Control indicator ≢D illuminates in the instrument cluster when the front fog lights are switched on.

The front fog lights can only be switched on when both the ignition and headlights or sidelights are on.

Light switch in position **AUTO**: switching on front fog lights will switch on low beam and sidelights automatically.

Follow the regulations of the country in which you are driving when using front fog lights.

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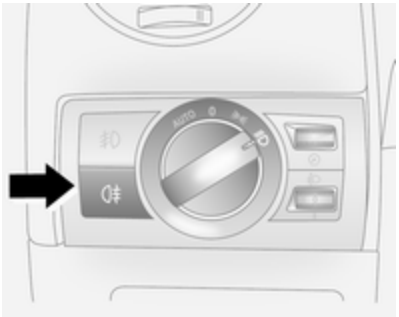
Rear fog lights



Operated with the button.

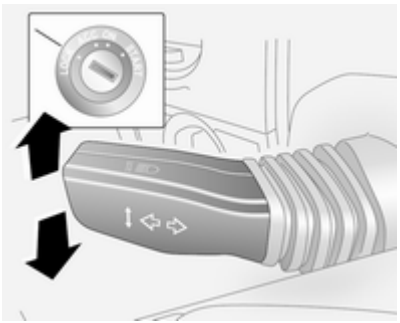
Control indicator illuminates in the instrument cluster when the rear fog light is switched on.

The rear fog light can only be switched on when the ignition is on and the light switch is in position D, or the front fog lights are on and the light switch is in position .

Light switch in position **AUTO**: switching on rear fog light will switch on low beam and sidelights automatically.

The vehicle rear fog light is deactivated when towing.

Parking lights



When the vehicle is parked, the parking lights on one side can be activated:

1. Set light switch to **0** or **AUTO**.
2. Switch off ignition.
3. Move turn signal lever all the way up (right parking lights) or down (left parking lights).

Confirmed by a signal tone and the corresponding turn signal control indicator.

To deactivate, switch on the ignition or move the turn signal lever in the opposite direction.

Reversing lights

The reversing lights come on when the ignition is on and reverse gear is selected.

Centre high-mounted brake light

Illuminates when the brakes are applied, acting as a third stop light, to supplement the brake lights.

Misted light covers

The inside of the light housing may mist up briefly in poor, wet and cold weather conditions, in heavy rain or after washing. The mist disappears quickly by itself; to help switch on the headlights.

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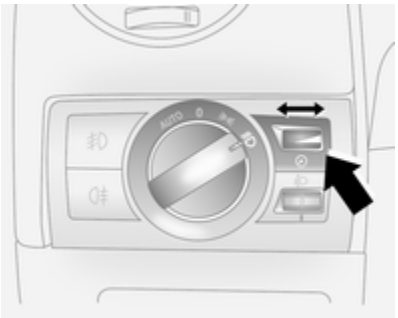
Interior lighting

Instrument panel illumination control



The instrument panel illuminates when the ignition is switched on.

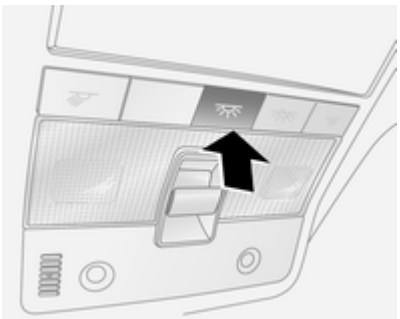
Brightness can be adjusted when the exterior lights are on: Turn thumb wheel to the right or left until the desired brightness is obtained.

If driver's door is opened or ⍃ is pressed on the remote control, instrument panel illuminates automatically for 30 seconds until ignition switch is turned to position ACC.

Display mode ⇨ 91.

Interior lights

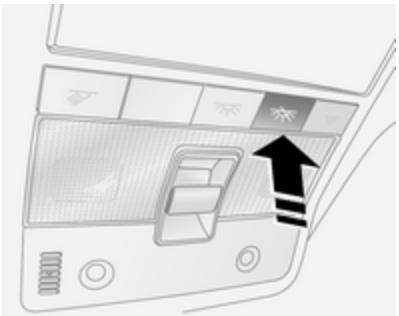
Front courtesy light



Front and rear reading lights and the load compartment lights function as courtesy lights and illuminate when the doors or the tailgate are opened.

If the doors or tailgate remain open, the lights stay illuminated for 10 minutes. Once all doors and the tailgate are closed, the courtesy lights dim gradually after 10 seconds.

By pressing button ⍩ in the roof lining, both the front and rear reading lights illuminate. Press again to turn off.



Courtesy lights can be turned off immediately by pressing button ⍁.

Back to overview

Front door lights

Illuminates when a door is opened. Once all doors are closed, the front door lights extinguish after 10 seconds.

If the doors are left open, the lights will stay on for 10 seconds.

Switch off immediately by pressing button ✳ in the roof lining.

Ignition switch illumination

Illuminates when you open a door.

Switch off immediately by pressing button ✳ in the roof lining.

Ashtray illumination

The portable front ashtray, located in the front drink holder, illuminates depending on outside light conditions.

Glovebox illumination

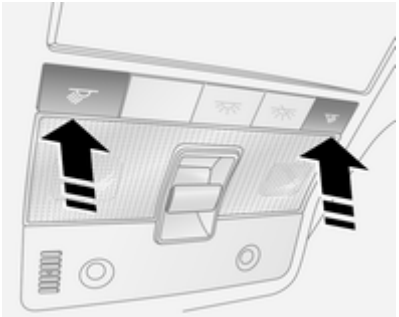
Illuminates when the glovebox is opened.

Load compartment lighting

Illuminates when a door or the tailgate is opened.

Reading lights

Front reading lights



Operated with the and buttons.

Avoid using front reading lights while driving in the dark, as they can reduce driver visibility.

Back to overview

Rear reading lights

Left and right rear reading lights are individually operable. Press to activate and deactivate.

Sunvisor lights

Illuminates when the vanity mirror cover is opened ⇨ 30.

Lighting features

Entry lighting

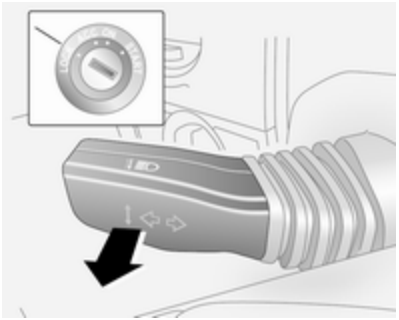
Welcome lighting

Depending upon outside light conditions, when unlocking the vehicle with the remote control the hazard warning lights flash twice and the exterior and interior lights illuminate for 20 seconds. This function facilitates locating the vehicle when it is dark.

Exit lighting

The low beam and reversing lights illuminate for 30 seconds after the driver exits the vehicle and closes the door.

Switching on



1. Switch off ignition.
2. Remove ignition key.
3. Open driver's door.
4. Pull turn signal lever.
5. Close driver's door.

If the driver's door is not closed the lights switch off after two minutes.

Exit lighting can be deactivated by inserting the key in the ignition switch or by pulling the turn signal lever again while the driver's door is open.

Back to overview

Battery discharge protection

To prevent the battery from becoming discharged, the exterior lights turn off automatically 10 minutes after the ignition is switched off.

Battery discharge protection will not work if the lights are turned on 10 minutes after the ignition has been switched off; the key cannot be removed from the ignition switch until the battery is recharged.

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Infotainment system

Introduction 111
Radio 111
Phone 112

Introduction

Operation

Infotainment and navigation systems

The systems are operated as described in the instruction manuals supplied.

The navigation system is supplied with a CD or DVD detailing the local territory. For additional countries/ territories, separate CDs are available from your service partner.

Radio

Radio reception

Radio reception may be disrupted by static, noise, distortion or loss of reception due to:

- changes in distance from the transmitter,
- multi-path reception due to reflection,
- shadowing.

Back to overview

Phone

Mobile phones and CB radio equipment

Installation instructions and operating guidelines

The vehicle specific installation instructions and the operating guidelines of the mobile phone and handsfree manufacturer must be observed when installing and operating a mobile telephone. Failure to do so could invalidate the vehicle type approval (EU directive 95/54/EC).

Recommendations for fault-free operation:

- Professionally installed exterior antenna to obtain the maximum range possible,
- Maximum transmission power 10 watts,
- Installation of the phone in a suitable spot, consider relevant Note ⇨ 42.

Seek advice on predetermined installation points for the external antenna or equipment holder and ways of using devices with a transmission power exceeding 10 watts.

Use of a handsfree attachment without external antenna with mobile telephone standards GSM 900/1800/1900 and UMTS is only permitted if the maximum transmission power of the mobile telephone is 2 watts for GSM 900 or 1 watt for the other types.

For reasons of safety, do not use the phone while driving. Even use of a handsfree set can be a distraction while driving.

⚠Warning

Operation of radio equipment and mobile telephones which fail to meet above mentioned mobile telephone standards is only permitted using an antenna located outside of the vehicle.

Caution

Mobile telephones and radio equipment may lead to malfunctions in the vehicle electronics when operated inside the vehicle with no exterior antenna, unless the above mentioned regulations are observed.

Climate control

Climate control systems 113
Air vents 117
Maintenance 118

Climate control systems

Heating and ventilation system

Controls for:

- Temperature
- Air distribution
- Fan speed

Heated rear window ⇨ 30.

Heated seats ⇨ 37.

Temperature

red = warm
blue = cold

Heating will not be fully effective until the engine has reached normal operating temperature.

Air distribution

- = to head area via adjustable air vents
- = to head area via adjustable air vents and to foot wells
- = to foot wells
- = to windscreen, front door windows and foot wells
- = to windscreen, front door windows and head area via adjustable air vents

All combinations are possible.

Fan speed

= off
1 = minimum speed
4 = maximum speed

Adjust the air flow by switching the fan to the desired speed.

Back to overview

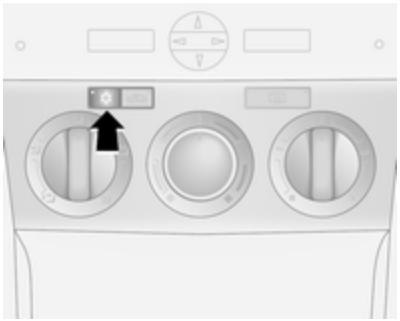
Air conditioning system

In addition to the heating and ventilation system, the air conditioning system has:

- = cooling
- = air recirculation
- = demisting and defrosting

Cooling

Operated with the button and is functional only when the engine and fan are running.



The air conditioning system cools and dehumidifies (dries) as soon as the outside temperature is slightly above freezing point. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch the cooling system off to save fuel.

Maximum cooling

Briefly open the windows and sunroof so that hot air can disperse quickly.

- Press button to activate air conditioning.
- Press button to activate air recirculation.
- Set air distribution switch to .
- Set temperature control switch to coldest level.
- Set fan to highest level.
- Open all vents.

Air recirculation system

Operated with the button.

⚠Warning

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Demisting and defrosting the windows

Operated with the button.

Back to overview

- Set the air distribution switch to or .
- Set temperature control to warmest level.
- Set fan to highest level.
- Close centre air vents.
- Open side air vents and direct them towards the door windows.
- Switch on heated rear window ⇨ 30.

Air conditioning and air recirculation are switched on automatically to improve defrosting efficiency when position or is selected.

Electronic climate control system

Controls for:

- Temperature
- Air distribution
- Fan speed

AUTO = Automatic mode
= Automatic air recirculation
= Demisting and defrosting

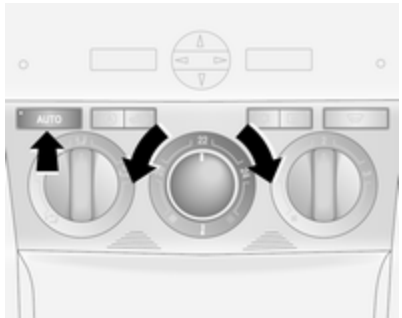
Cooling , Air recirculation ⇨ 114.

Heated rear window ⇨ 30.

Do not cover the interior temperature sensor (located below the fan switch) or the sunlight sensor (located in front of the windscreen defroster vents) as this could cause the system to malfunction.

Automatic mode AUTO

Basic setting for maximum comfort:



- Press **AUTO** button, cooling is activated automatically.
- Open all air vents.
- Set temperature switch to the desired setting.

Back to overview

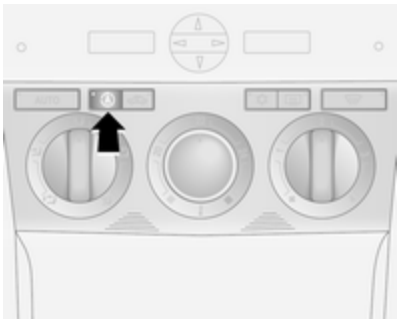
Recommended comfort setting is 22 °C. Intermediate settings are possible.

To deactivate automatic mode, turn fan to position off ✻.

All air vents are actuated automatically in automatic mode. The air vents should therefore always be open.

Automatic air recirculation Ⓐ

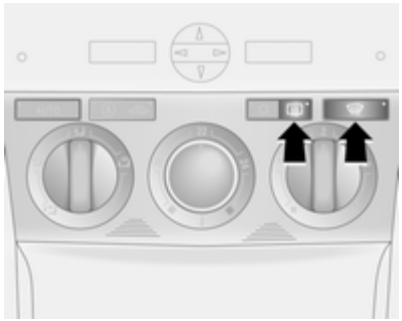
The automatic air recirculation system has an air quality sensor which switches on automatically if harmful ambient gases are detected.



Operated with the Ⓐ button.

The automatic air recirculation system is only operational if the engine is running.

Demisting and defrosting the windows



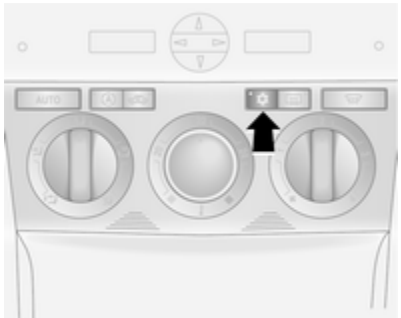
- Press the button.
- Set fan to the desired speed.

Air recirculation mode is automatically switched off. Cooling ❄ switches on.

To switch off window demisting and defrosting, press button again, press **AUTO** button, adjust fan speed or air distribution switch.

Switch on heated rear window ⇨ 30.

Manual settings



Climate control system settings can be changed by pressing button ❄ or by adjusting the fan speed or air distribution switch. Changing a setting will deactivate the automatic mode.

To return to automatic mode press **AUTO** button.

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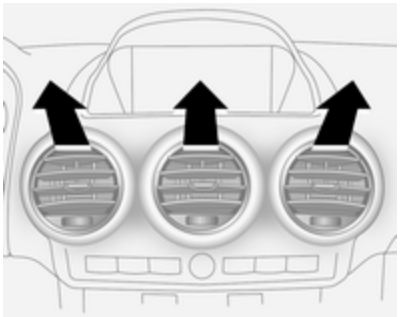
Air vents

Adjustable air vents

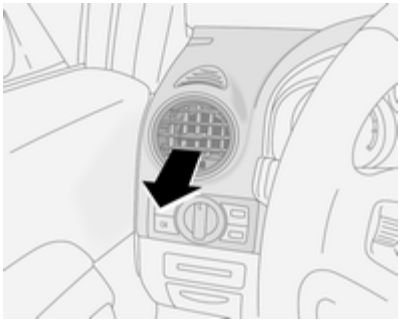


To open and close the vents, turn the horizontal adjuster wheel to the left or right.

Open air vents when air distribution switch is set to or .

The air supply is increased by switching on the fan.

Control the air temperature at the side air vents by adjusting the temperature control switch.



Direct the flow of air by tilting and swivelling the slats.

⚠Warning

Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

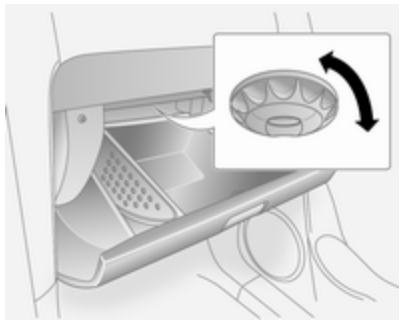
Fixed air vents

Additional air vents are located beneath the windscreen, door windows and in the front and rear foot wells.

The area underneath the front seats must be kept clear, to allow air flow to the rear passenger foot well.

Glovebox cooler

Cooled air is fed into the glovebox through an air opening when the air conditioning is turned on.



Rotate adjustment wheel anticlockwise to allow the air conditioning to keep the contents of the glovebox cool.

Rotate adjustment wheel clockwise to close the air opening when glovebox cooling is not required.

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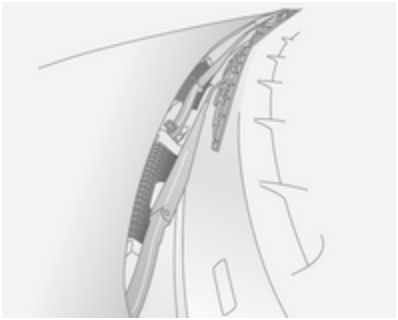
Maintenance

Air intake



The air intakes in front of the windscreen in the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.

Pollen filter

Cabin air filtration

A particle filter cleans the cabin air from dust, soot, pollen and spores.

Active carbon filter

In addition to the particle filter the active carbon filter reduces odours.

Air conditioning regular operation

In order to ensure continuously efficient performance, cooling must be operated for a few minutes once a week, irrespective of the weather and time of year. Operation with cooling is not possible when outside temperature is too low.

Service

For optimal cooling performance, it is recommended to annually check the climate control system, starting 3 years after initial vehicle registration, including:

- Functionality and pressure test
- Heating functionality
- Leakage check
- Check of drive belts
- Cleaning of condenser and evaporator drainage
- Performance check

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Driving and operating

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Driving hints

Control of the vehicle

Never coast with engine not running

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others.

Pedals

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

Power steering

Never leave the steering wheel on full lock when the vehicle is stationary as this may damage the power steering pump.

Control indicator ⊛! ⇨ 84.

Starting and operating

New vehicle running-in

Do not brake unnecessarily hard for the first few journeys.

During the first drive, smoke may occur because of wax and oil evaporating off the exhaust system. Park the vehicle in the open for a while after the first drive and avoid inhaling the fumes.

During the running-in period fuel and engine oil consumption may be higher and the cleaning process of the diesel particle filter may take place more often.

Diesel particle filter ⇨ 122.

Ignition switch positions

LOCK = Ignition off
ACC = Steering wheel lock released, ignition off
ON = Ignition on, for diesel engine: preheating
START = Starting

Starting the engine

Manual transmission: operate clutch and brake pedals.

Automatic transmission: operate brake pedal and move selector lever to **P** or **N**.

Do not operate accelerator pedal.

Diesel engines: turn the key to position **ON** for preheating until control indicator ⟒ extinguishes ⇨ 85.

Turn key briefly to position **START** and release. Key returns automatically to position **ON**.

Before restarting or to switch off the engine, turn key back to **LOCK**.

Start attempts should not last longer than 15 seconds. If engine does not start, wait 10 seconds before repeating starting procedure.

The increased engine speed automatically returns to normal idling speed as the engine temperature rises. Drive at a moderate speed, especially in cold weather, until normal engine operating temperatures have been reached.

Starting the vehicle at low temperatures

In extremely cold temperatures, i.e. below -20 °C, it may be necessary to crank the engine for up to 30 seconds for it to start.

Turn key to position **START** and hold until engine starts. Start attempts should not last longer than 30 seconds. If engine does not start, wait 10 seconds before repeating starting procedure.

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Ensure the engine oil is of the correct viscosity, the correct fuel is used, vehicle services are performed regularly and the battery is sufficiently charged.

Overrun cut-off

The fuel supply is automatically cut-off during overrun, i.e. when the vehicle is driven with a gear engaged but accelerator is released.

Parking

- Always apply the electrical parking brake.

  Pull switch Ⓟ.

  For maximum force, e.g. parking with a trailer or on inclines, pull switch Ⓟ twice.
- Switch off the engine and turn the ignition key to position **LOCK**, push key into ignition switch and remove.

  Turn the steering wheel until the steering wheel lock is felt to engage.

  For vehicles with automatic transmission, depress foot brake and shift into **P** before pushing key into ignition switch and removing.
- If the vehicle is on a level surface or uphill slope, engage first gear or move the selector lever to **P** before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb.

  If the vehicle is on a downhill slope, engage reverse gear or move the selector lever to **P** before switching off the ignition. Turn the front wheels towards the kerb.
- Lock the vehicle with button ⚌ on the radio remote control ⇨ 20 and activate the anti-theft alarm system ⇨ 23.
- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Close windows and sunroof.
- Switch off exterior lights, otherwise the headlight warning device will sound when the driver's door is opened.
- The engine cooling fans may run after the engine has been switched off ⇨ 146.
- After running at high engine speeds or with high engine loads, operate the engine briefly at a low load or run in neutral for approx. 1 or 2 minutes, before switching off in order to protect the turbocharger.

Laying the vehicle up for a long period of time ⇨ 145.

Engine exhaust

⚠ Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by a workshop.

Avoid driving with an open load compartment, otherwise exhaust gases could enter the vehicle.

Malfunction indicator light ⇨ 81.

Diesel particle filter

The diesel particle filter system filters harmful soot particles out of the exhaust gases. The system includes a self-cleaning function that runs automatically during driving without any notification.

The filter is cleaned by periodically burning off the soot particles at high temperature. This process takes place automatically under set driving conditions and may take up to 15 minutes. Fuel consumption may be higher during this period. The emission of smells and smoke during this process is normal.

Under certain driving conditions, e.g. short distances, the system cannot clean itself automatically.

If cleaning of the filter is required and previous driving conditions did not enable automatic cleaning, it will be indicated by control indicator ⇨ 85.

illuminates when diesel particle filter is full. Start cleaning process as soon as possible.

flashes when diesel particle filter has reached the maximum filling level. Start cleaning process immediately to avoid damage to the engine.

Cleaning process

To activate the cleaning process, continue driving and as soon as the road and traffic situation permits it, increase speed to more than 50 km/h. Keep engine speed above 2000 revolutions per minute. Shift down if necessary. Diesel particle filter cleaning is then started. Do not turn the ignition off during cleaning.

If control indicator illuminates additionally in the instrument cluster when the engine is running, there

may be a fault in the diesel particle filter ⇨ 81. Seek the assistance of a workshop immediately.

Caution
If the cleaning process is interrupted, there is a risk of provoking severe engine damage.

Cleaning takes place quickest at high engine speeds and loads.

Control indicator extinguishes as soon as the self-cleaning operation is complete.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gases.

Caution
Fuel grades other than those listed on pages ⇨ 138, ⇨ 190 could damage the catalytic converter or electronic components. Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

In the event of misfiring, uneven engine running, a reduction in engine performance or other unusual problems, have the cause of the fault rectified by a workshop as soon as possible. In an emergency, driving can be continued for a short period, keeping vehicle speed and engine speed low.

Malfunction indicator light ⇨ 81.

Automatic transmission

The automatic transmission permits automatic gearshifting (automatic mode) or manual gearshifting (manual mode).

Transmission display

The mode or selected gear is shown in the transmission display.

P = park position
R = reverse gear
N = neutral

D = drive position (automatic mode)
1-6 = selected gear in manual mode

Selector lever

P = park position, wheels are locked, engage only when the vehicle is stationary and the electrical parking brake is applied
R = reverse gear, engage only when vehicle is stationary
N = neutral or idle
D = drive position (automatic mode with all gears)

The selector lever is locked in position **P** and **N** and can only be moved when the ignition is on and the foot brake is applied.

To engage **P** or **R**, push the release button.

Never shift to **P** or **R** while the vehicle is moving.

The engine can only be started with lever in position **P** or **N**. Depress foot brake or apply electrical parking brake before starting.

Do not accelerate while engaging a gear. Never depress the accelerator pedal and brake pedal at the same time.

When a gear is engaged, the vehicle slowly begins to creep when the foot brake is released.

Engine braking

To utilise the engine braking effect, select a lower gear in good time when driving downhill - see Manual mode.

Use of the engine braking effect, as opposed to the use of the foot brake when driving downhill, can extend the life of the brakes.

Rocking the vehicle

Rocking the vehicle is only permissible if the vehicle is stuck in water, ice, sand, mud, snow or a dip. Move the selector lever between **D** and **R** in a repeat pattern while applying light pressure to the accelerator pedal when the vehicle is in gear. Do not race the engine and avoid sudden acceleration.

If the vehicle cannot be released after rocking the vehicle several times, your vehicle may need to be towed ⇨ 180.

Parking

Apply the electrical parking brake and engage **P**.

The ignition key can only be removed when the selector lever is in position **P**.

Back to overview

Manual mode

Move selector lever out of position **D** towards the left and then forwards or backwards.

+ = Shift to a higher gear.

− = Shift to a lower gear.

Tip selector lever in the appropriate direction. It then returns to the centre position.

Gearshifting in manual mode can be achieved whilst accelerating. If the engine speed is too low, the transmission will automatically shift to a lower gear, even in manual mode, to prevent the engine from stalling.

If a higher gear is selected when vehicle speed is too low, or a lower gear when vehicle speed is too high, the shift is not executed.

In manual mode, no automatic shifting to a higher gear takes place at high engine revolutions.

Gears can be skipped by moving the selector lever repeatedly at short intervals.

After stopping, 1st gear is automatically selected. When starting on slippery surfaces, tip selector lever forwards to engage 2nd gear.

To move back to position **D**, move selector lever back to the right.

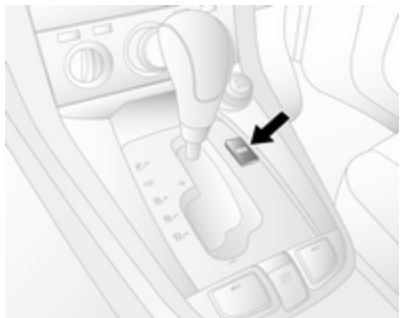
Electronic driving programmes

- Following a cold start, the operating temperature programme increases engine speed to quickly bring the catalytic converter to the required temperature.

Kickdown

In both automatic and manual modes, if the accelerator pedal is pressed down completely the transmission shifts to a lower gear depending on engine speed. Full engine power is available for acceleration.

Fuel economy mode



Activate fuel economy mode to allow the transmission to adapt gearshift patterns, improving the vehicle's fuel economy.

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Activation

In automatic mode, press button ECO; control indicator ECO illuminates in the instrument cluster ⇨ 86.

The settings of certain electronic systems are adapted to reduce fuel consumption:

- The engine reacts less quickly to the accelerator pedal.
- Automatic upshift points occur sooner and downshift points occur later.
- The transmission locks itself to the engine at cruising speeds, to improve efficiency and increase power and torque.
- The fuel supply is automatically cut-off more quickly during vehicle deceleration. Overrun cut-off ⇨ 121.

Do not use fuel economy mode whilst towing, e.g. a trailer.

Deactivation

Fuel economy mode is switched off by pressing button ECO again; control indicator ECO extinguishes in the instrument cluster.

Fault

In the event of a fault in the automatic transmission, control indicator illuminates in the instrument cluster ⇨ 81. Automatic shifting may be much harsher than normal or, in the case of a serious fault, cancelled altogether. Have the cause of the fault remedied by a workshop.

If control indicator illuminates in the instrument cluster when the engine is running, this may indicate a fault in the transmission electronics ⇨ 82. The electronics switch to the emergency running programme, fuel consumption may increase and the driveability of the vehicle may be affected. Seek the assistance of a workshop.

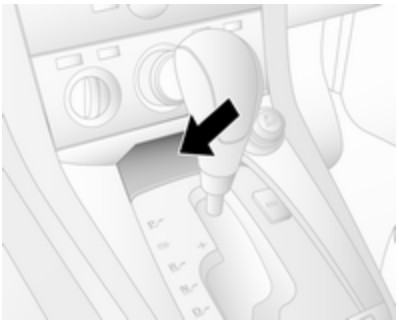
Interruption of power supply

The clutch is not disengaged if the vehicle battery is discharged and a gear has been selected. The vehicle cannot move. The selector lever cannot be moved out of position **P** or **N**.

If the battery is discharged, start the vehicle using jump leads ⇨ 179.

If the battery is not the cause of the fault, release the selector lever:

1. Switch off ignition and remove the key.
2. Depress and hold foot brake.



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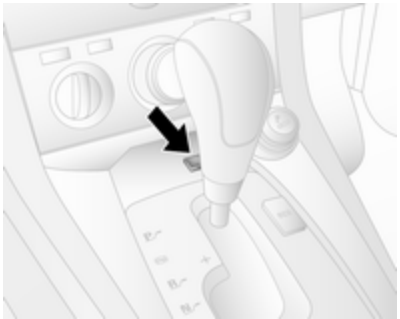
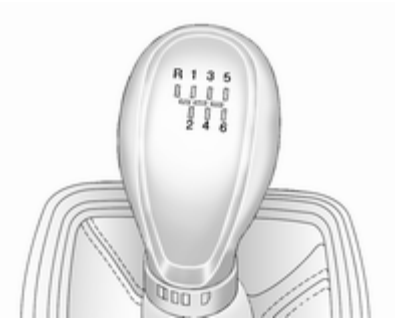
3. Remove trim cover.



4. Press and hold shift lock release button.
5. Shift to neutral (**N**).
6. Replace trim cover.
7. Start engine and shift to chosen gear.

Have the cause of the power supply interruption remedied by a workshop.

Manual transmission



To engage reverse, with the vehicle stationary depress clutch pedal and engage the gear.

If the gear does not engage, set the lever to neutral, release the clutch pedal and depress again; then repeat gear selection.

Do not grind the clutch unnecessarily.

When operating, depress the clutch pedal completely. Do not use the pedal as a foot rest.

Caution
It is inadvisable to drive with hand resting on the selector lever.

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Drive systems

All-wheel drive

All-wheel drive is an active-on-demand system that engages automatically, with no action required by the driver. Depending on the driving environment, the vehicle switches between two-wheel drive and four-wheel drive, to give the vehicle more traction and stability when necessary.

If the front wheels begin to slip, the rear wheels will automatically begin to drive the vehicle as required. More torque is transferred to the wheels that have the most traction, so the vehicle has optimum grip at all times. There may be a slight engagement noise during hard use.

As well as enabling the vehicle to be driven off-road, this system also enables the vehicle to be driven on normal roads without incurring excessive tyre and drivetrain wear or causing poor control.

Ensure tyres (including the spare) are inflated to the correct pressure ⇨ 195 and are suitable for the prevailing road conditions. For optimum system performance, the vehicle's tyres should not have varying degrees of wear.

If control indicator flashes in the instrument cluster during driving, All-wheel drive is temporarily disabled. If flashes continuously, there is a fault in the system; seek the assistance of a workshop.

All-wheel drive control indicator ⇨ 83.

On-road driving

The increased traction of All-wheel drive vehicles offers greater driving control in adverse road conditions, particularly heavy snow and ice. However, All-wheel drive vehicles are not "skid-proof" and do not decrease stopping distances.

All-wheel drive vehicles have a higher centre of gravity than conventional vehicles. Always approach curves at an appropriate driving speed. Do not attempt to go as fast through turns as you might in a conventional vehicle. Strong crosswinds can affect the normal steering of the vehicle. Drive slower under strong crosswind conditions.

Off-road driving

- Avoid protruding objects (such as rocks or tree stumps) that may damage the underbody and tyres of your vehicle.
- Test the brakes after operating in mud, to clear excess mud from the braking surfaces.
- Grip the steering wheel when travelling over rough terrain. Terrain conditions can cause rapid and unexpected movement in the steering.

The ground clearance, ramp angle, angle of approach and departure and wading depth need to be considered, especially in hilly conditions and when wading, to prevent the vehicle becoming stuck and possibly damaged.

Vehicle dimensions ⇨ 193.

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Towing the vehicle ⇨ 180.

Driving through water

Do not exceed the maximum wading depth ⇨ 193.

Check the depth of water: choose the lowest entry and departure angles before entering. Maintain a steady engine speed, to help prevent water from entering the exhaust system, but do not exceed 5 km/h, to avoid splashing the water.

Drive with the flow wherever possible, not against it. If you have to drive against the flow, try to drive at an angle to it, so that the leading corner of the vehicle will help deflect water from the engine compartment. Avoid splashing the water - if the ignition system becomes wet, the engine may stall.

Avoid water entering the air intake system. If water enters the air intake system, engine seizure with severe costly damage may result.

Test the brakes after leaving the water - wet brakes are less effective than dry ones. Perform the service operations for wading , involving checks for water contamination, at the earliest opportunity.

Service checks after wading

Check for the ingress of water into the following:

- Brake fluid reservoir
- Air cleaner element
- Engine
- Transmission
- Axles
- Interior of vehicle

Renew any lubricating oil or hydraulic fluid that has a milky appearance, indicating contamination with water.

Cleaning

Clean the vehicle thoroughly and as soon as possible after driving off-road.

Do not let mud remain dry on any part of the vehicle as it becomes abrasive and can damage paint, glass, seals, bearings and brake components. If left to build up, mud can seriously affect the airflow through and over mechanical components and cause localised overheating and failure of parts, especially in the engine compartment.

Ensure the radiator core and the area between the radiator and intercooler/ oil cooler (where installed) is cleaned, to maintain proper cooling air flow. Check the radiator and cooler cores for blockage (sand, silt etc.).

Check the tyre treads.

Clean and check the mechanical parts of the vehicle, particularly the following areas:

- Driveshafts, including sealing bellows
- Front brake calipers, pads and discs
- Front suspension
- Clutch fork sealing bellows
- Rear brake calipers, pads and discs
- Rear suspension
- Fuel tank and underguard
- Breathers, axles and fuel tank
- Load sensing valve

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- Transfer box and underguard
- Engine oil pan and underguard

Observe the following:

- Do not spray high-pressure water directly at the vehicle seals
- The wheels must be removed to clean all mud and stones from the brake calipers and to check brake pad wear
- The areas on the upper side of the underguards must be cleared of stones, to prevent damage to the engine oil pan and the fuel tank

Brakes

The brake system comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is depressed firmly. Considerably more force is needed for this. The braking distance is extended. Seek the assistance of a workshop before continuing your journey.

When the engine is not running, the support of the brake servo unit disappears once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. It is especially important to bear this in mind when being towed.

Control indicator ⓘ ⇨ 82.

Antilock brake system

Antilock brake system (ABS) prevents the wheels from locking.

ABS starts to regulate brake pressure as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even during hard braking.

ABS control is made apparent through a pulse in the brake pedal and the noise of the regulation process.

For optimum braking, keep the brake pedal fully depressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.

After starting off, the system performs a self-test which may be audible.

Control indicator ⓐ ⇨ 83.

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Fault

⚠Warning

If there is a fault in the ABS, the wheels may be liable to lock due to braking that is heavier than normal. The advantages of ABS are no longer available. During hard braking, the vehicle can no longer be steered and may swerve.

You can continue driving, provided you drive with care and anticipation. Have the cause of the fault remedied by a workshop.

Parking brake

Electrical parking brake

Applying when vehicle is stationary
Pull switch Ⓟ, the electrical parking brake operates automatically with adequate force. For maximum force, e.g. parking with a trailer or on inclines, pull switch Ⓟ twice.

The electrical parking brake can always be activated, even if the ignition is off.

Do not operate electrical parking brake system too often without engine running as this will discharge the battery.

Before leaving the vehicle, check the electrical parking brake status.

Control indicator Ⓟ ⇨ 82.

Releasing
Switch on ignition. Keep foot brake depressed and then push switch Ⓟ.

If the foot brake is not depressed when attempting to release electrical parking brake, a warning chime will sound and control indicator illuminates in the instrument cluster ⇨ 87.

Drive away function
With the engine running, selecting a forward gear (manual transmission) or engaging **D** (automatic transmission) and then depressing the accelerator pedal automatically releases the electrical parking brake. This is not possible when the switch Ⓟ is pulled at the same time.

This function also helps driving away on inclines.

Aggressive drive away may reduce life time of wear parts.

Dynamic braking when vehicle is moving

When the vehicle is moving and the switch Ⓟ is kept pulled, a warning chime will sound and the electrical parking brake system will decelerate the vehicle, but will not apply statically.

As soon as the switch Ⓟ is released, dynamic braking will be stopped.

Fault

Failure mode of electrical parking brake is indicated by control indicator ⓟ ⇨ 83.

In the event of a fault, to apply electrical parking brake: pull and hold the switch Ⓟ for a few seconds. If control indicator Ⓟ illuminates, electrical parking brake has been applied successfully.

To release electrical parking brake: push and hold the switch Ⓟ for a few seconds. If control indicator Ⓟ extinguishes, electrical parking brake has been released successfully.

If control indicator Ⓟ flashes: electrical parking brake is not fully applied or released. When Ⓟ is continuously flashing, with ignition switched on depress brake pedal, release electrical parking brake and retry applying.

If Ⓟ continues to flash, do not drive the vehicle. If necessary, place wedge blocks or equivalent in front of and behind wheels to prevent vehicle movement. Seek the assistance of a workshop to have the cause of the fault remedied.

Brake assist

If the brake pedal is depressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required. Maximum brake force is automatically reduced when the brake pedal is released.

Hill start assist

The system helps prevent unintended movement when driving away on inclines.

When releasing the foot brake after stopping on an incline, the brakes remain on for a further 2 seconds. The brakes release automatically as soon as the vehicle begins to accelerate.

Ride control systems

Electronic Stability Control

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre grip. It also prevents the drive wheels from spinning.

As soon as the vehicle starts to swerve (understeer/oversteer), engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

ESC is operational as soon as control indicators and extinguish in the instrument cluster after switching on the ignition.

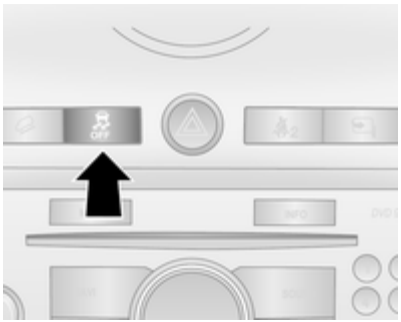
When ESC is active flashes ⇨ 84.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Deactivation



With ESC active, if wheels are slipping on wet, snowy or icy roads, engine speed may not increase when accelerator pedal is depressed. The vehicle may not move.

Switch off ESC function, to allow engine rpm to increase, by pressing button briefly. Control indicator illuminates in the instrument cluster.

ESC is reactivated by pressing button again. The control indicator extinguishes.

Control indicator ⇨ 84.

Hydraulic brake assist

When the ESC function comes into action and recognises any emergency situation requiring hard braking, it automatically delivers increased braking pressure to the wheels.

Active rollover protection

If the vehicle moves in an unstable manner, this function helps the vehicle maintain normal stability.

Trailer stability assist

If the system detects snaking movements, engine power is reduced and the vehicle/trailer combination is selectively braked until the snaking ceases. While system is working keep steering wheel as still as possible.

Descent control system

The Descent control system (DCS) allows the vehicle to travel at a low speed without depressing the foot brake. The vehicle will automatically decelerate to a low speed and remain at that speed when the system is activated. Some noise or vibration from the brake system may be apparent when the system is active.

Caution
Use only when descending steep grades while driving off-road. Do not use when driving on normal road surfaces. Unnecessary usage of the DCS function, such as while driving on normal roads, may damage the brake system and the ESC function.

Activation

At speeds below approx. 50 km/h, press button . The green control indicator flashes in the instrument cluster, to show DCS is in operation. DCS will not activate at speeds above 50 km/h, even if the button is pressed.

Deactivation

Press button again. The green control indicator extinguishes. Depressing the foot brake or accelerator will also cause the system to be deactivated.

Fault

The yellow control indicator flashes to indicate that the system is not ready for conditions to operate, due to the high temperature (approx. 350 - 400 °C) of friction material, through severe or repeated braking. It will extinguish when the temperature drops below 350 °C.

The yellow control indicator illuminates when there is a malfunction in the system, due to the extremely high temperature (over 400 °C) of friction material, through severe or repeated braking. It will extinguish when the temperature drops below 350 °C. These

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temperatures may differ according to vehicle conditions or outside conditions.

Flashing or illumination of the yellow control indicator reminds the driver that the friction material needs to cool down: drive the vehicle without braking as much as possible. If the control indicator does not extinguish, have the cause of the fault remedied by a workshop.

DSC control indicators ▷ 84.

Automatic level control

The rear level of the vehicle is automatically adjusted to the load conditions while driving. Suspension and ground clearance are increased, which improves driving conditions.

The automatic level control is activated after the vehicle has been driven for some distance, depending on the vehicle load and the road conditions.

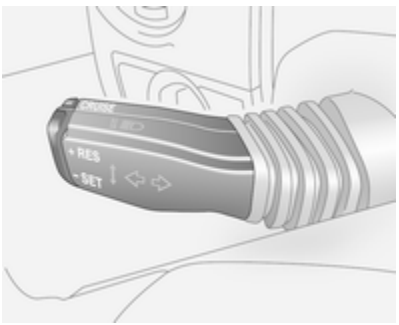
Do not use full payload in the event of a fault. Have the cause of the fault remedied by a workshop.

Headlight range adjustment ▷ 103.

Cruise control

The cruise control can store and maintain speeds above 40 km/h. Deviations from the stored speeds may occur when driving uphill or downhill.

For safety reasons the cruise control cannot be activated until the foot brake has been operated once.



Do not use the cruise control if it is not advisable to maintain a constant speed.

With automatic transmission, only activate cruise control in automatic mode.

Control indicator ⏲ ⇨ 87.

Activation

Press the **CRUISE** button; control indicator ⏲ illuminates yellow in the instrument cluster. Accelerate to the desired speed, press the **- SET** button and release it. The current speed is stored and maintained. Control indicator ⏲ illuminates green. Accelerator pedal can be released.

Vehicle speed can be increased by depressing the accelerator pedal. When the accelerator pedal is released, the previously stored speed is resumed.

Increase speed

With cruise control active, press and hold the **+ RES** button or tap the **+ RES** button repeatedly: speed increases continuously or in small increments.

Alternatively accelerate to the desired speed and store by pressing the **- SET** button.

Reduce speed

With cruise control active, press and hold the **- SET** button or tap the **- SET** button repeatedly: speed decreases continuously or in small increments.

Deactivation

Press the **CRUISE** button; control indicator ⏲ extinguishes and the vehicle slowly decelerates.

Automatic deactivation:

- vehicle speed below approx. 45 km/h,
- the brake pedal is depressed,
- the clutch pedal is depressed,
- selector lever in **N**,
- the Electronic Stability Control is operating.

Resume stored speed

Press the **+ RES** button at a speed above 45 km/h. The stored speed will be obtained.

Deleting the stored speed

The stored speed will be deleted by pressing the **CRUISE** button or switching off the ignition.

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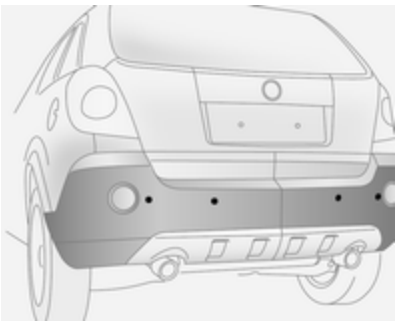
Object detection systems

Parking assist

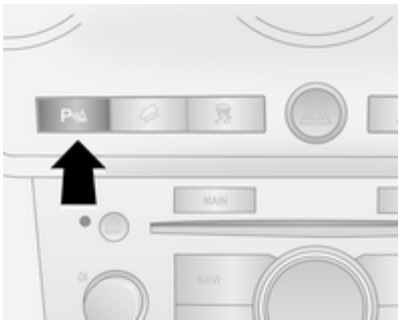


The parking assist system makes parking easier by measuring the distance between the vehicle and obstacles to the front and rear, and giving acoustic signals. It is the driver, however, who bears full responsibility for the parking manoeuvre.

The system consists of four ultrasonic parking sensors in both the front and rear bumpers.

Control indicator P ⇨ 84.

Activation



With the ignition on, the system must be activated manually.

Press button P on the instrument panel. The LED in the button will illuminate and will activate when a forward gear or reverse gear is engaged and the electrical parking brake is released.

An obstacle is indicated by an acoustic signal. The interval between the sounds becomes shorter as the vehicle gets closer to the obstacle.

When the distance is less than 30 cm, the signal is continuous. The acoustic signal may differ depending on the type of object detected.

Deactivation

To deactivate, press the button again and the LED in the button will extinguish. The control indicator P in the instrument cluster will illuminate until the vehicle speed exceeds 25 km/h.

The system is deactivated automatically when the vehicle speed is above 8 km/h or when selector lever is in neutral (automatic transmission in **N** or **P**).

If the P button is pressed again, the LED in the button will extinguish and the system will be reactivated as soon as a forward gear or reverse gear is engaged and the electrical parking brake is released.

Fault

In the event of a fault in the system, control indicator P illuminates in the instrument cluster.

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If the acoustic signal sounds 3 times continuously when there are no obstacles near the front or rear bumper, there is a fault in the system. Have the cause of the fault remedied by a workshop.

Important hints for using the parking assist system

⚠Warning
Under certain circumstances, various reflective surfaces on objects or clothing as well as external noise sources may cause the system to fail to detect obstacles.

Caution
Performance of the sensors may be reduced when the sensors are covered, e.g. by ice or snow.

The system may not detect sharp or narrow objects, thick clothes or soft materials, which absorb the frequency.

For these reasons, care must be taken when reversing, even if the system is operational. This is of particular importance when in the vicinity of pedestrians.

Fuel

Fuel for petrol engines

Only use unleaded fuel that complies with DIN EN 228[1)].

Equivalent standardised fuels with an ethanol content of max. 10 % by volume may be used. In this case only use fuel that complies with DIN 51625.

Use fuel with the recommended octane rating ⇨ 190. Use of fuel with too low an octane rating can reduce engine power and torque and slightly increases fuel consumption.

Caution
Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

1) Russia only: Usage of fuel with quality, not complying to the Technical Regulations in effect (Decree № 118 of 27.02.2008 with amendments of 30.12.2008 № 1076) can lead to engine damage and loss of all warranty obligations.

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Fuel for diesel engines

Only use diesel fuel that complies with DIN EN 590[2]. The fuel must have low sulphur content (max. 10 ppm).

Equivalent standardised fuels with a biodiesel (= FAME according to EN14214) content of max. 7 % by volume (such as DIN 51628 or equivalent standards) may be used.

Country-specific exception for Morocco: use Diesel 50 ppm only.

Do not use marine diesel oils, heating oils or entirely or partially plant-based diesel fuels, such as rape seed oil or bio diesel, Aquazole and similar diesel-water emulsions. Diesel fuels must not be diluted with fuels for petrol engines.

The flow and filterability of diesel fuel are temperature-dependent. When temperatures are low, refuel with diesel fuel with guaranteed winter properties.

Refuelling

⚠ Danger

Before refuelling, switch off engine and any external heaters with combustion chambers. Switch off any mobile phones.

Follow the operating and safety instructions of the filling station when refuelling.

⚠ Danger

Fuel is flammable and explosive. No smoking. No naked flames or sparks.

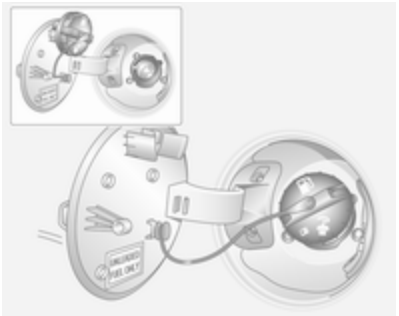
If you can smell fuel in your vehicle, have the cause of this remedied immediately by a workshop.

Caution

In case of misfuelling, do not switch on ignition.

Fuel filler flap is located at left rear side of vehicle.

The fuel filler flap can only be opened if the vehicle is unlocked ⇨ 20. Release the fuel filler flap by pushing the flap.



[2] Russia only: Usage of fuel with quality, not complying to the Technical Regulations in effect (Decree № 118 of 27.02.2008 with amendments of 30.12.2008 № 1076) can lead to engine damage and loss of all warranty obligations.

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To unlock fuel filler cap: turn it anticlockwise. If hissing occurs, wait until it stops before completely unscrewing the cap.

The fuel filler cap can be retained in the holder on the inside of the fuel filler flap.

After refuelling, replace the fuel filler cap and turn it clockwise until you hear several clicks. Ensure the cap is screwed in completely, otherwise control indicator may illuminate in the instrument cluster ⇨ 81.

Close fuel filler flap.

Caution
Wipe off any overflowing fuel immediately.

Fuel filler cap

Only a genuine fuel filler cap provides full functionality. Diesel-engined vehicles have special fuel filler caps.

Fuel consumption - CO_2-Emissions

The determination of fuel consumption is regulated by European directive 715/2007 692/2008 A.

The directive is oriented to actual driving practices: Urban driving is rated at approx. $^1/_3$ and extra urban driving at approx. $^2/_3$. Cold starts and acceleration phases are also taken into consideration.

The specification of CO_2 emission is also a constituent of the directive.

The figures given must not be taken as a guarantee for the actual fuel consumption of a particular vehicle. Furthermore, fuel consumption is dependent on personal driving style as well as road and traffic conditions.

All values are based on the EU base model with standard equipment.

The calculation of fuel consumption takes into account the vehicle's kerb weight, ascertained in accordance with the regulations. Optional equipment may result in slightly higher fuel consumption and CO_2 emission levels and a lower maximum speed.

Fuel consumption, CO_2 emissions ⇨ 192.

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Towing

General information

The coupling ball bar is kept in a bag, fastened with a strap and is stowed below the floor cover in the load compartment.

Entrust retrofitting of towing equipment to a workshop. It may be necessary to make changes that affect the cooling system, heat shields or other equipment. Only use towing equipment that has been approved for your vehicle.

Control indicator illuminates in the instrument cluster when a trailer is connected to the vehicle ⇨ 88.

Installation dimensions of trailer towing equipment ⇨ 196.

Driving characteristics and towing tips

In the case of trailers with brakes, attach the break-away stopping cable to the eye - not to the coupling ball bar.

If no eye is available, loop cable around coupling ball bar. Ensure cable is crossed under the vertical coupling socket to ensure the trailer nose cannot drop to the ground if it becomes separated from the trailer hitch. Do not allow the cable to drag along the ground and always allow enough slack to permit full turning. Follow the instructions supplied with the towing equipment.

Before attaching a trailer, lubricate the coupling ball. However, do not do so if a stabiliser, which acts on the coupling ball, is being used to reduce snaking movements. For trailers with low driving stability, the use of a friction-type stabiliser is strongly recommended.

Do not drive faster than 80 km/h, even in countries where higher speeds are permitted. When driving uphill, do not drive faster than 30 km/h in 1st gear, or 50 km/h in 2nd gear.

If the trailer starts snaking, drive more slowly, do not attempt to correct the steering and brake sharply if necessary.

When driving downhill, drive in the same gear as if driving uphill and drive at a similar speed.

Adjust tyre pressure to the value specified for full load ⇨ 195.

Trailer towing

Trailer loads

The permissible trailer loads are vehicle-dependent and engine-dependent maximum values which must not be exceeded. The actual trailer load is the difference between the actual gross weight of the trailer and the actual coupling socket load with the trailer coupled.

When the trailer load is being checked, therefore, only the trailer wheels - and not the jockey wheel - must be standing on the weighing apparatus.

The permissible trailer loads are specified in the vehicle documents. In general, they are valid for gradients up to max. 12 %.

The permitted trailer load applies up to the specified incline and up to an altitude of 1000 metres above sea level. Since engine power decreases as altitude increases due to the air becoming thinner, therefore reducing climbing ability, the permissible gross train weight also decreases by 10 % for every 1000 metres of additional altitude. The gross train weight does not have to be reduced when driving on roads with slight inclines (less than 8 %, e.g. motorways).

The permissible gross train weight must not be exceeded. This weight is specified on the identification plate ⇨ 189.

Vertical coupling load

The vertical coupling load is the load exerted by the trailer on the coupling ball. It can be varied by changing the weight distribution when loading the trailer.

The maximum permissible vertical coupling load (80 kg) is specified on the towing equipment identification plate and in the vehicle documents. Always aim for the maximum load, especially in the case of heavy trailers. The vertical coupling load should never fall below 25 kg.

When measuring the vertical coupling load, ensure the drawbar of the loaded trailer is at the same height as it will be when the trailer is coupled with the towing vehicle loaded. This is particularly important for trailers with tandem axle.

Rear axle load

When the trailer is coupled and the towing vehicle is fully loaded (including all occupants), the permissible rear axle load (see identification plate or vehicle documents) must not be exceeded.

National regulations regarding maximum speeds for vehicles towing a trailer must be observed.

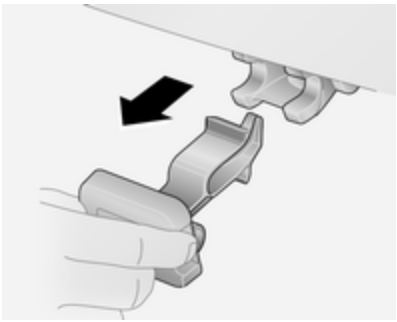
Towing equipment

Caution
When operating without a trailer, remove the coupling ball bar.

Towing equipment with detachable coupling ball bar

The coupling ball bar is kept in a bag, fastened with a strap and is stowed below the floor cover in the load compartment.

Fitting the coupling ball bar



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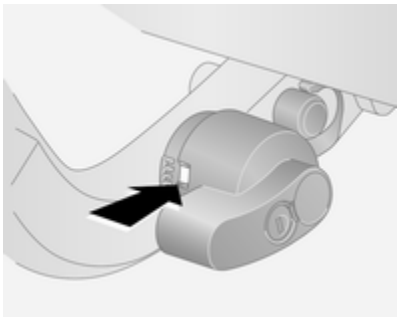
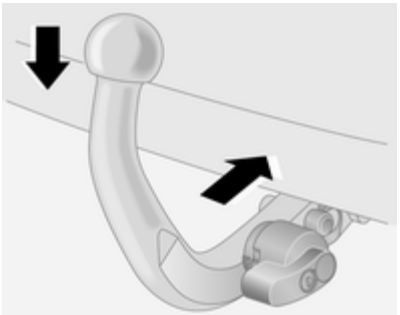
Remove sealing plug from the hole for the coupling ball bar and stow it in the load compartment.



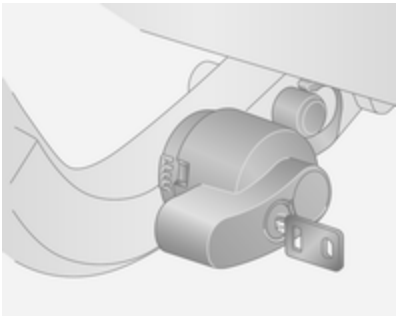
Confirm that the colour marking on the lever is red.

Inserting the coupling ball bar



Insert the coupling ball bar into the coupling housing and push firmly downwards until the coupling ball bar audibly engages. If it does not engage, repeat fitting procedure.

Do not swing the coupling ball bar to the left or right, or upwards and downwards, to avoid disrupting correct fitting.



Lock coupling ball bar by turning the supplied key in the lock cylinder of the coupling ball bar. Remove key.

Check that the coupling ball bar is correctly attached:

- Green marking must be visible on lever.
- Coupling ball bar must be seated firmly in coupling housing.

Coupling ball bar must be locked and key must be removed.

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⚠Warning

Towing a trailer is permitted only when the coupling ball bar is fitted correctly. If the coupling ball bar cannot be properly attached, seek the assistance of a workshop.

Eye for break-away stopping cable

In the case of trailers with brakes, attach the break-away stopping cable to the eye - not to the coupling ball bar.

Dismounting the coupling ball bar

Unlock coupling ball bar and remove key. Push lever to the left, towards the coupling ball bar and turn it downwards. Pull coupling ball bar out of coupling housing.

Remove any rust or dirt from area around the coupling housing and coupling ball bar connection before inserting sealing plug in the hole.

Place the coupling ball bar in the bag supplied, fasten it with the strap and stow it below the floor cover in the load compartment.

Do not use steam-jet cleaners or other high-pressure cleaners to clean the coupling ball bar.

Trailer stability assist

If the system detects snaking movements, engine power is reduced and the vehicle/trailer combination is selectively braked until the snaking ceases. While system is working keep steering wheel as still as possible.

Trailer stability assist (TSA) is a function of the Electronic Stability Control ⇨ 133.

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Vehicle care

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General Information

Accessories and vehicle modifications

We recommend the use of genuine parts and accessories and factory approved parts specific for your vehicle type. We cannot assess or guarantee reliability of other products - even if they have a regulatory or otherwise granted approval.

Do not make any modifications to the electrical system, e.g. changes of electronic control units (chip tuning).

Vehicle storage

Storage for a long period of time

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve the rubber seals.
- Change the engine oil.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or move selector lever to **P**. Prevent the vehicle from rolling.
- Do not apply the electrical parking brake.
- Open the bonnet, close all doors and lock the vehicle.
- Disconnect the clamp from the negative terminal of the vehicle battery. Beware that all systems are not functional, e.g. anti-theft alarm system.

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Putting back into operation

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronics of the power windows.
- Check tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

Seek the assistance of a workshop for further advice.

End-of-life vehicle recovery

Information on end-of-life vehicle recovery centres and the recycling of end-of-life vehicles is available on our website. Only entrust this work to an authorised recycling centre.

Vehicle checks

Performing work

⚠Warning

Only perform engine compartment checks when the ignition is off.

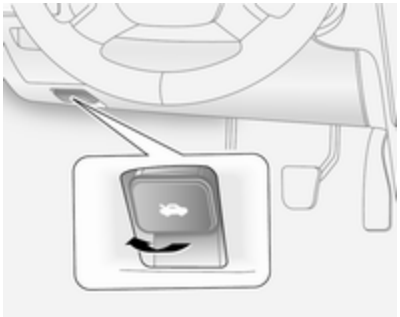
The cooling fan may start operating even if the ignition is off.

⚠Danger

The ignition system and Xenon headlights use extremely high voltage. Do not touch.

Bonnet

Opening



Pull the release lever and return it to its original position.

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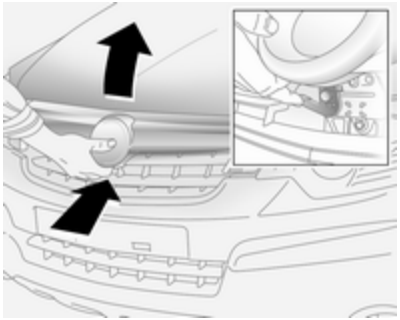


Locate the safety catch, found slightly left of centre on the underside of the bonnet, push the catch upwards and lift the bonnet gently.

The bonnet is held open automatically.

Air intake ⇨ 118.

Closing

Lower the bonnet and allow it to drop into the catch. Check that the bonnet is engaged.

Engine oil

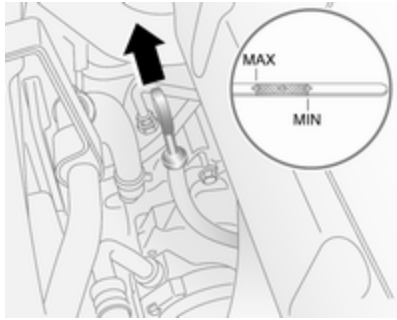
Check the engine oil level manually on a regular basis to prevent damage to the engine.

Ensure that the correct specification of oil is used. Recommended fluids and lubricants ⇨ 186.

Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least 5 minutes.

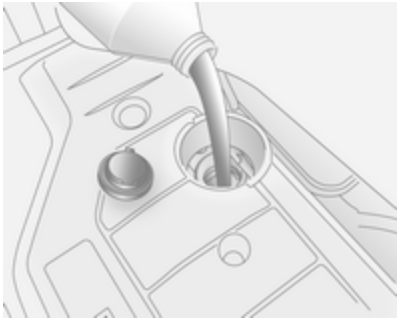
Pull out the dipstick, wipe it clean, insert it to the stop on the handle, pull out and read the engine oil level.

Insert dipstick to the stop on the handle and make half a turn.



Different dipsticks are used depending on engine variant.

When the engine oil level has dropped to the **MIN** mark, top up engine oil.



We recommend the use of the same grade of engine oil that was used at the last oil change.

The engine oil level must not exceed the **MAX** mark on the dipstick.

Caution
Overfilled engine oil must be drained or suctioned out.

Capacities ⇨ 194, Engine oil quality/ viscosity ⇨ 186.

Fit the cap on straight and tighten it.

Control indicators for engine oil pressure ⇨ 85, low engine oil ⇨ 86 and engine oil life ⇨ 86.

Once the engine oil has been changed, the engine oil life monitor needs to be reset. Seek the assistance of a workshop.

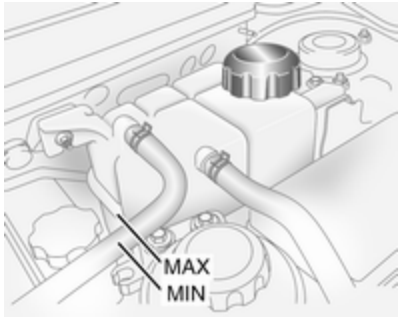
Engine coolant

The coolant provides freeze protection down to approx. -28 °C.

Caution
Only use approved antifreeze.

Coolant level

Caution
Too low a coolant level can cause engine damage.



If the cooling system is cold, the coolant level should be between the **MIN** and **MAX** marks. Top up if the level is low.

⚠Warning
Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

To top up use a 1:1 mixture of released coolant concentrate mixed with clean tap water. If no coolant concentrate is available, use clean tap water. Install the cap tightly. Have

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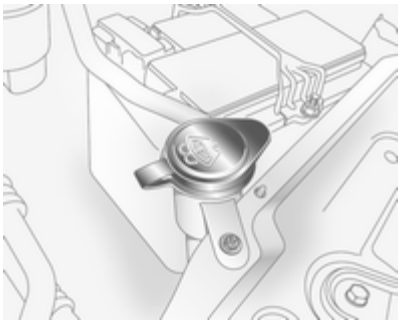
the coolant concentration checked and have the cause of the coolant loss remedied by a workshop.

Engine coolant temperature control indicator ⇨ 85.

Power steering fluid

If the fluid level in the reservoir falls below the **MIN** mark, seek the assistance of a workshop.

Washer fluid



Fill with clean water mixed with a suitable quantity of washer fluid which contains antifreeze. For the correct mixing ratio refer to the washer fluid container.

Caution
Only washer fluid with a sufficient antifreeze concentration provides protection at low temperatures or a sudden drop in temperature.

Do not spray washer fluid onto windscreen in freezing weather, to avoid ice forming and impairing vision.

In cold weather, do not fill the washer fluid reservoir more than three quarters full, to allow enough room for expansion if the fluid freezes, and to prevent damage to the reservoir.

Windscreen washer fluid control indicator ⇨ 87.

Brakes

A squealing noise indicates that the brake lining is at its minimum thickness. Continued driving is possible but have the brake lining replaced as soon as possible.

Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

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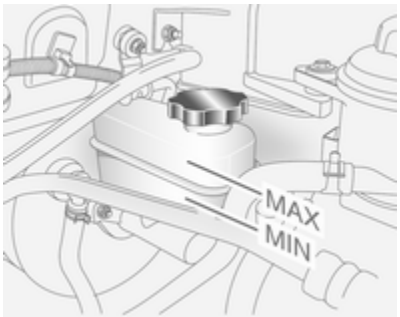
Brake fluid

⚠Warning

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.



The brake fluid level must be between the **MIN** and **MAX** marks.

When topping up, ensure maximum cleanliness as contamination of the brake fluid can lead to brake system malfunctions. Have the cause of the loss of brake fluid remedied by a workshop.

Only use high-performance brake fluid approved for the vehicle. Brake fluid ⇨ 186.

Brake fluid level control indicator ⇨ 82.

Clutch fluid

⚠Warning

Clutch fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.

If the fluid in the reservoir falls below the **MIN** mark, seek the assistance of a workshop.

Clutch fluid ⇨ 186.

Battery

The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short-distance-driving and frequent engine starts can discharge the battery. Avoid the use of unnecessary electrical consumers.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

Laying up the vehicle for more than 6 weeks can lead to battery discharge. Disconnect the clamp from the negative terminal of the vehicle

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battery. Ensure the ignition is switched off before connecting or disconnecting the vehicle battery.

Retrofitted electrical or electronic accessories can place an additional load on the battery or discharge the battery. Seek the assistance of a workshop regarding technical possibilities, such as fitting a more powerful battery.

Ensure the ignition is switched off before reconnecting the battery. Then perform the following actions:

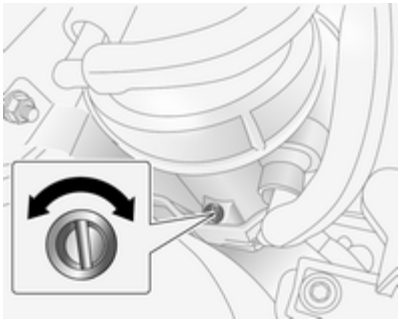
1. Set date and time in the information display ⇨ 74.
2. If necessary, activate the power windows and sun roof ⇨ 29, ⇨ 31.

In order to prevent the battery from discharging, some consumers such as the courtesy lights automatically switch off after a delay.

Charge a disconnected battery every 6 weeks.

Battery discharge protection ⇨ 110.

Diesel fuel filter



Drain diesel fuel filter of residual water at every engine oil change.

Place a container underneath the filter housing. Turn drain plug anticlockwise using a suitable screwdriver, to drain off the water.

The filter is drained as soon as diesel fuel emerges from the port. Retighten the drain plug by turning it clockwise.

With engine switched off, turn ignition key to **ON**, wait approx. 5 seconds, and turn key to **LOCK** to perform priming operation. Perform this operation 3 times or more while the engine is switched off, to avoid air entering the fuel line.

Check diesel fuel filter at shorter intervals if the vehicle is subjected to extreme operating conditions.

If there is water in the diesel fuel filter, control indicator illuminates in the instrument cluster ⇨ 86. Drain the water immediately.

Diesel fuel system bleeding

If the fuel tank has been run dry, the diesel fuel system must be bled. Switch on the ignition three times for 15 seconds at a time. Then start the engine for a maximum of 40 seconds. If the engine will not start, wait at least 10 seconds before trying again. If the engine fails to start, seek the assistance of a workshop.

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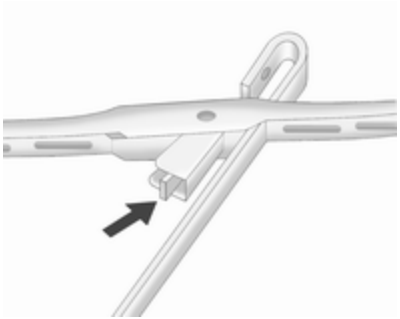
Wiper blade replacement

Wiper blades on the windscreen



Lift wiper arm, press and hold retaining clip and detach wiper blade.

Lower wiper arm carefully.

Bulb replacement

Switch off the ignition and turn off the relevant switch or close the doors.

Only hold a new bulb at the base! Do not touch the bulb glass with bare hands.

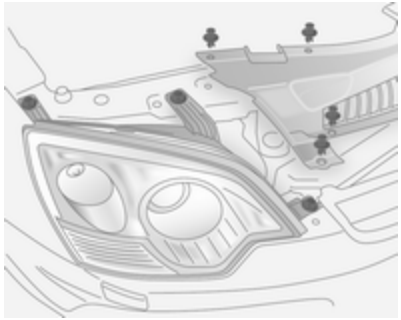
Use only the same bulb type for replacement.

Replace headlight bulbs from within the engine compartment.

Headlights

Headlamp removal

For bulb replacement, it is necessary to first remove the headlamp assembly.



1. Switch off the ignition and headlight switch.
2. Open the bonnet, release the 11 retainers and remove the radiator cover.
3. Remove 3 bolts and withdraw headlamp.
4. Depress harness connector tags and disconnect headlamp wiring.
5. Remove the headlamp assembly.

Headlamp assembly installation is the reverse of removal - ensure locating dowel aligns with its socket. Do not overtighten bolts or retainers.

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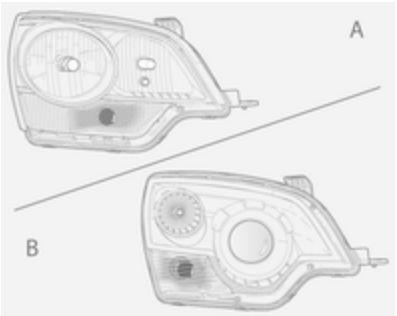
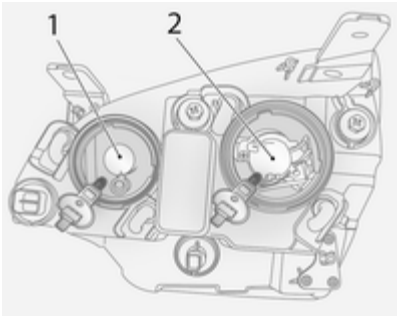
Halogen headlights



Halogen headlights **A** can be identified from Xenon headlights **B** by the different lens layout.

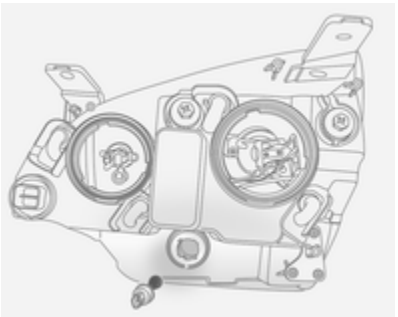
Low and high beam



Halogen headlights have separate systems for high beam **1** (inner bulbs) and low beam **2** (outer bulbs).

1. Remove headlamp assembly ⇨ 152.
2. Remove headlamp cap.
3. Release bulb retaining spring and remove bulb from reflector housing.
4. When inserting a new bulb, ensure the lugs engage correctly with the recesses on the reflector.
5. Engage bulb retaining spring and replace headlamp cap.
6. Reinstall headlamp assembly.

Front turn signal



1. Remove headlamp assembly ⇨ 152.
2. Rotate bulb holder anticlockwise and withdraw bulb holder from lamp assembly.
3. Press and rotate bulb anticlockwise to remove it from bulb holder.
4. Insert new bulb into bulb holder by pressing and rotating it clockwise.

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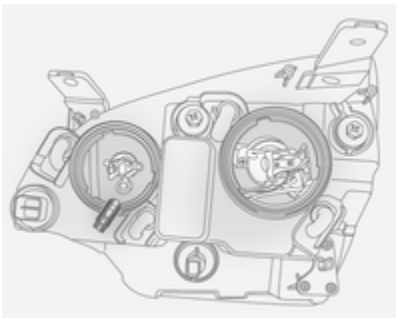
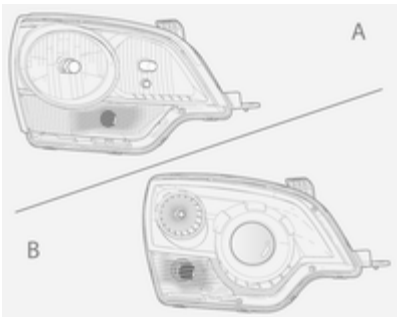
5. Reinstall bulb holder in lamp assembly by rotating it clockwise.
6. Reinstall headlamp assembly.

Sidelights



1. Remove headlamp assembly ⇨ 152.
2. Remove headlamp cap and withdraw bulb holder (located next to high beam bulb) from lamp assembly.
3. Remove bulb from bulb holder by pulling it straight out.
4. Insert new bulb, using a lint-free cloth to hold bulb.
5. Reinstall bulb holder in lamp assembly and replace headlamp cap.
6. Reinstall headlamp assembly.

Xenon headlights



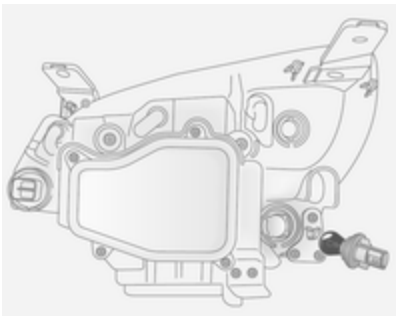
Xenon headlights **B** can be identified from Halogen headlights **A** by the different lens layout.

Low and high beam

⚠ Danger

Xenon headlights work under extremely high electrical voltage. Do not touch. Have bulbs replaced by a workshop.

Front turn signal



1. Remove headlamp assembly ⇨ 152.
2. Rotate bulb holder anticlockwise and withdraw bulb holder from lamp assembly.

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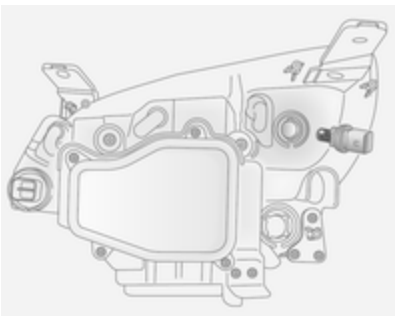
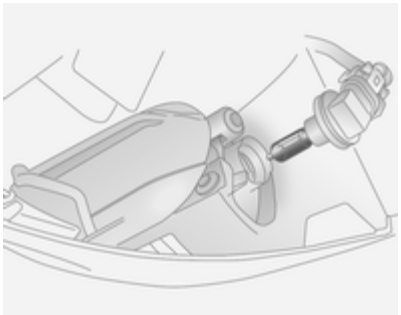
3. Press and rotate bulb anticlockwise to remove it from bulb holder.
4. Insert new bulb into bulb holder by pressing and rotating it clockwise.
5. Reinstall bulb holder in lamp assembly by rotating it clockwise.
6. Reinstall headlamp assembly.

Sidelights



1. Remove headlamp assembly ⇨ 152.
2. Rotate bulb holder anticlockwise and withdraw bulb holder from lamp assembly.
3. Remove bulb from bulb holder by pulling it straight out.
4. Insert new bulb, using a lint-free cloth to hold bulb.
5. Reinstall bulb holder in lamp assembly by rotating it clockwise.
6. Reinstall headlamp assembly.

Fog lights



1. Remove 2 screws from panel on underside of vehicle below front fog lights and remove panel.
2. Disconnect harness connector from bulb holder and rotate bulb holder anticlockwise.
3. Remove bulb holder from lamp assembly, rotate bulb anticlockwise and remove from bulb holder.
4. Insert new bulb into bulb holder and rotate it clockwise.
5. Reinstall bulb holder in lamp assembly and reconnect harness connector.
6. Reinstall panel to underside of vehicle using 2 screws removed earlier.

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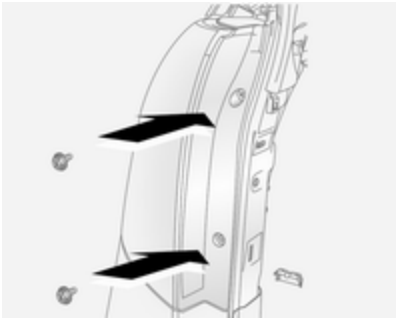
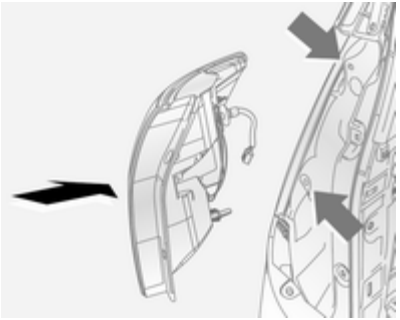
Tail lights

Rear brake, tail, turn signal, reverse and fog tail light

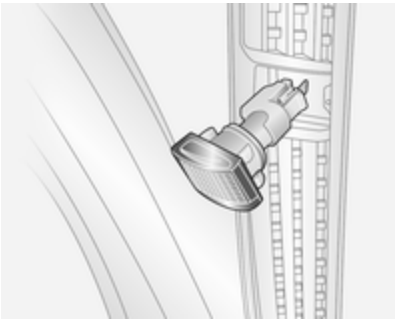


1. Open the tailgate and remove 2 screws and lamp assembly.
2. Remove bulb holder by rotating it anticlockwise.
3. Remove bulb from bulb holder by pressing the bulb in and rotating it anticlockwise.
4. Insert new bulb into bulb holder.
5. Reinstall bulb holder into lamp assembly. Rotate bulb holder clockwise and ensure it is secure.



6. Replace lamp assembly by guiding lugs on lamp assembly into their corresponding apertures.
7. Replace 2 screws removed earlier and close the tailgate.

Side turn signal lights



1. Using a suitable screwdriver, pry lamp assembly away from wing.
2. Rotate bulb holder anticlockwise.
3. Remove bulb from lamp assembly by pulling bulb straight out of bulb holder.
4. Insert new bulb into bulb holder by pressing it in and rotating the bulb holder clockwise.
5. Push lamp assembly back into aperture.

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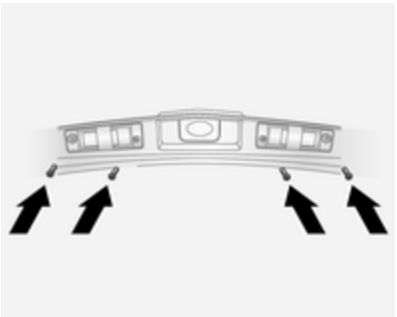
Centre high-mounted brake light

Have bulbs replaced by a workshop.

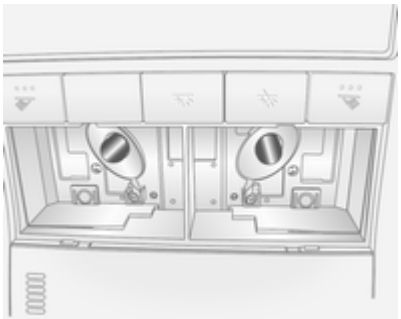
Number plate light



1. Remove 4 screws (arrowed) and remove lamp covers.
2. Remove bulb holder from lamp assembly by rotating it anticlockwise.
3. Pull bulb straight out of bulb holder.
4. Insert new bulb.
5. Reinstall bulb holder into lamp assembly, rotate bulb holder clockwise and ensure it is secure.
6. Replace lamp covers using the 4 screws removed earlier.

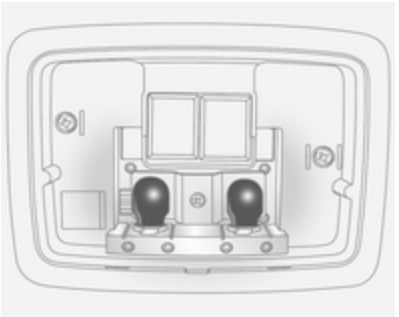
Interior lights

Front reading lights



1. Using a suitable screwdriver, pry lamp lens away from roof lining.
2. Remove bulb.
3. Insert new bulb.
4. Reinstall lamp lens in roof lining.

Rear reading lights



1. Using a suitable screwdriver, pry lamp lens away from roof lining.
2. Remove bulb.
3. Insert new bulb.
4. Reinstall lamp lens in roof lining.

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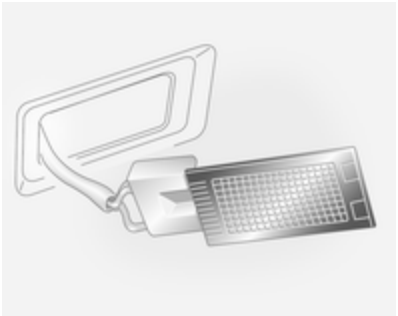
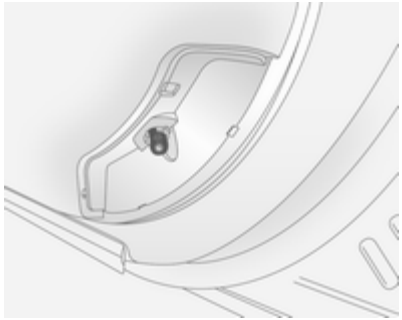
Load compartment light



1. Using a suitable screwdriver, remove lens from lamp assembly.
2. Remove bulb.
3. Insert new bulb.
4. Reinstall lens to lamp assembly.

Front door lights



1. Using a suitable screwdriver, pry lamp lens away from front door trim.
2. Remove bulb.
3. Insert new bulb.
4. Reinstall lamp lens to front door trim.

Glovebox light

Have bulbs replaced by a workshop.

Instrument panel illumination

Have bulbs replaced by a workshop.

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Electrical system

Fuses

Data on the replacement fuse must match the data on the defective fuse.

There are two fuse boxes in the vehicle:

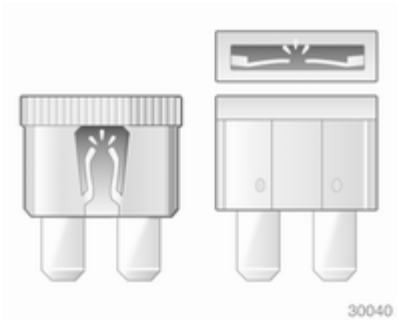
- in the engine compartment next to the coolant reservoir,
- in the instrument panel, on the left-hand side of the front passenger seat foot well, or, in right-hand drive vehicles, on the left-hand side of the driver's seat foot well.

Before replacing a fuse, turn off the respective switch and the ignition.

A blown fuse can be recognized by its melted wire. Do not replace the fuse until the cause of the fault has been remedied.

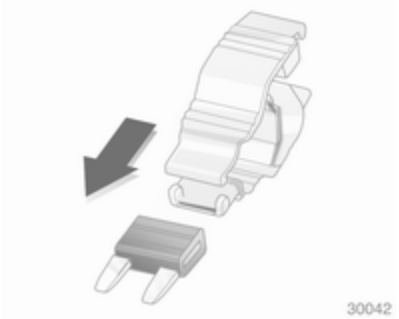
Some functions are protected by several fuses. Fuses may also be inserted without existence of a function.

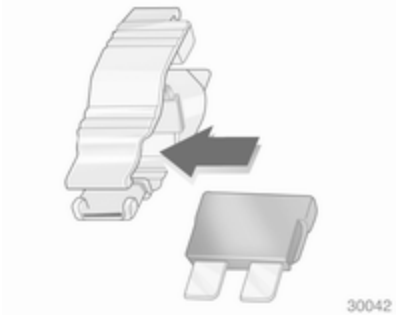
It is advisable to carry a full set of spare fuses. Spare fuses can be stored in the engine compartment fuse box.



Fuse extractor

A fuse extractor may be located in the engine compartment fuse box.





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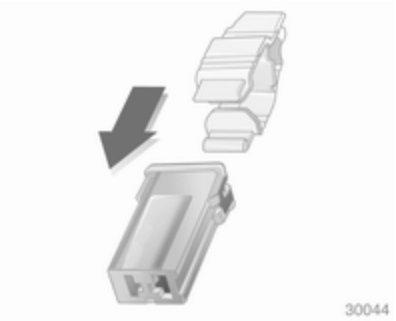
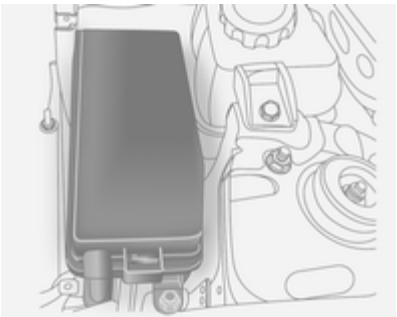


Place the fuse extractor on the various types of fuse from the top or side, and withdraw fuse.

Engine compartment fuse box



The fuse box is located next to the coolant reservoir in the engine compartment.

To open, disengage cover and tilt upwards.

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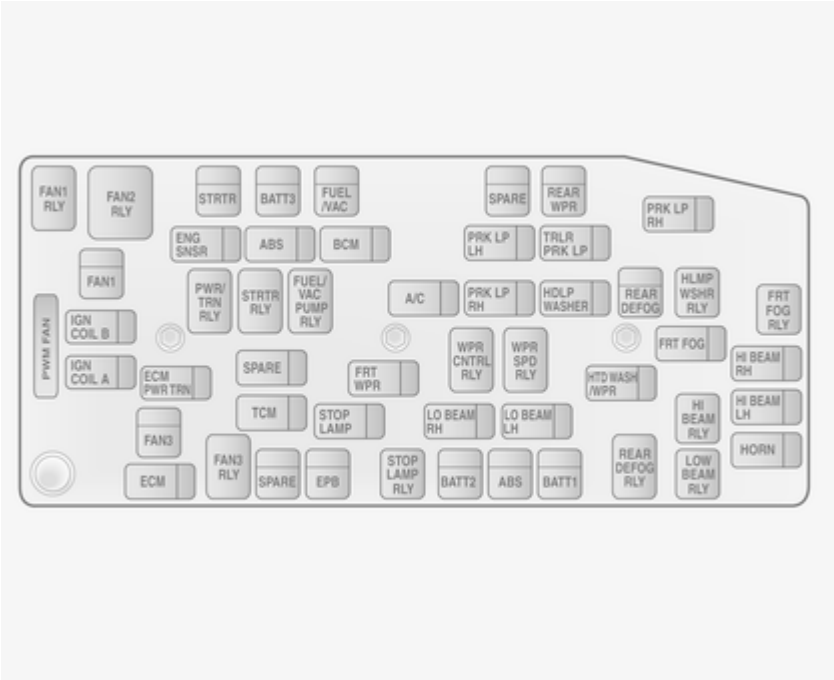

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Fuse	Circuit
ABS	Anti-lock Brake System
A/C	Climate control, air conditioning system
BATT1	Instrument panel fuse box
BATT2	Instrument panel fuse box
BATT3	Instrument panel fuse box
BCM	Body Control Module
ECM	Engine Control Module
ECM PWR TRN	Engine Control Module, Powertrain
ENG SNSR	Engine sensors
EPB	Electrical parking brake

Fuse	Circuit
FAN1	Cooling fan
FAN3	Cooling fan
FRT FOG	Front fog lights
FRT WPR	Front wiper
FUEL/VAC	Fuel pump, vacuum pump
HDLP WASHER	Headlight washer
HI BEAM LH	High beam (left-hand)
HI BEAM RH	High beam (right-hand)
HORN	Horn
HTD WASH/ MIR	Heated washer fluid, heated exterior mirrors
IGN COIL A	Ignition coil
IGN COIL B	Ignition coil

Fuse	Circuit
LO BEAM LH	Low beam (left-hand)
LO BEAM RH	Low beam (right-hand)
PRK LP LH	Parking light (left-hand)
PRK LP RH	Parking light (right-hand)
PWM FAN	Pulse width modulation fan
REAR DEFOG	Heated rear window
REAR WPR	Rear wiper
SPARE	–
STOP LAMP	Brake lights
STRTR	Starter
TCM	Transmission Control Module
TRLR PRL LP	Trailer parking lights

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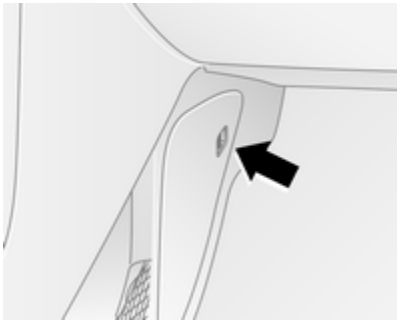
After changing of defective fuses close the fuse box cover and press until it engages.

If the fuse box cover is not closed correctly, malfunctions may occur.

Instrument panel fuse box



The fuse box is located on the left-hand side of the front passenger seat foot well, or, in right-hand drive vehicles, on the left-hand side of the driver's seat foot well.

Release latch to open cover.

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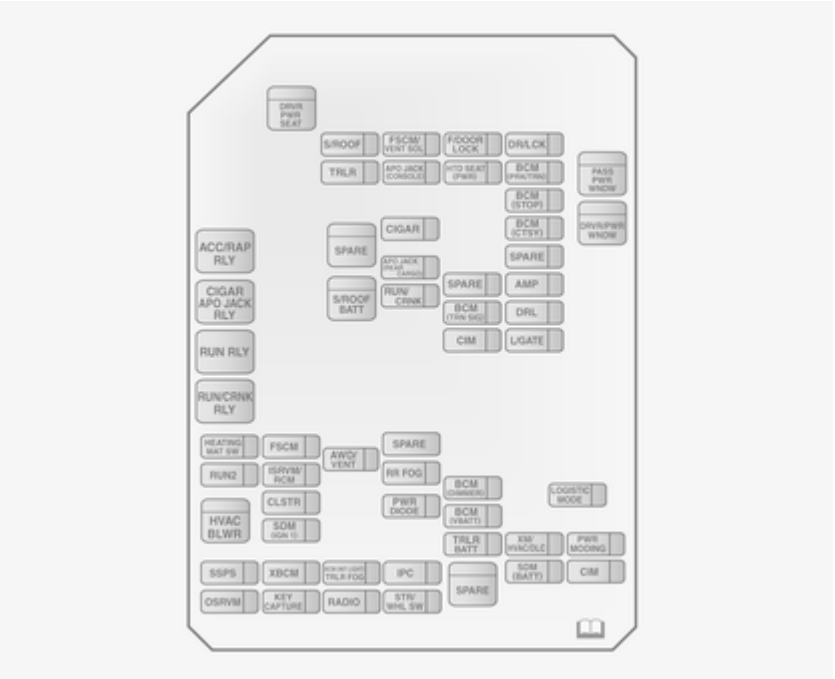

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Fuse	Circuit
AMP	Amplifier
APO JACK (CONSOLE)	Power outlet (centre console)
APO JACK (REAR CARGO)	Power outlet (load compartment)
AWD/VENT	All-wheel drive, ventilation
BCM (CTSY)	Courtesy lights
BCM (DIMMER)	Instrument illumination
BCM (INT LIGHT TRLR FOG)	Interior lights, trailer fog light
BCM (PRK/ TRN)	Parking lights, turn signals
BCM (STOP)	Brake lights
BCM (TRN SIG)	Turn signals
BCM (VBATT)	Battery voltage
CIGAR	Cigarette lighter
CIM	Communications Integration Module
CLSTR	Instrument cluster
DRL	Daytime running lights
DR/LCK	Driver door lock
DRVR PWR SEAT	Driver power seat
DRV/PWR WNDW	Driver power window
F/DOOR LOCK	Fuel filler flap
FRT WSR	Front washer
FSCM	Fuel system
FSCM/VENT SOL	Fuel system, vent solenoid
HEATING MAT SW	Heating mat switch
HTD SEAT PWR	Seat heating
HVAC BLWR	Climate control, air conditioning fan
IPC	Instrument panel cluster
ISRVM/RCM	Interior mirror, remote compass module
KEY CAPTURE	Key capture
L/GATE	Tailgate
LOGISTIC MODE	Logistic mode
OSRVM	Exterior mirrors
PASS PWR WNDW	Passenger power window
PWR DIODE	Power diode
PWR MODING	Power moding
RADIO	Radio

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Fuse	Circuit
RR FOG	Heated rear window
RUN 2	Power battery key on run
RUN/CRNK	Run crank
SDM (BATT)	Safety Diagnosis Module (Battery)
SDM (IGN 1)	Safety Diagnosis Module (Ignition)
SPARE	-
S/ROOF	Sunroof
S/ROOF BATT	Sunroof battery
SSPS	Power steering
STR/WHL SW	Steering wheel
TRLR	Trailer
TRLR BATT	Trailer battery
XBCM	Export Body Control Module
XM/HVAC/ DLC	XM satellite radio, climate control, data link connection

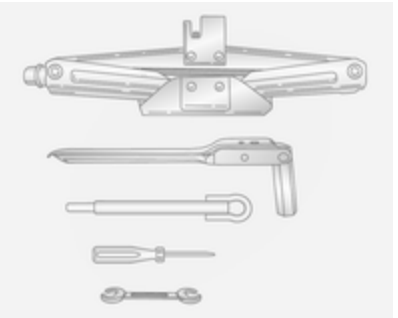
After changing of defective fuses close the fuse box cover and press until it engages.

If the fuse box cover is not closed correctly, malfunctions may occur.

Vehicle tools

Tools

Vehicles with spare wheel



In vehicles with a spare wheel, a jack and vehicle tools kit is available.

The jack and vehicle tools have been specially developed for your vehicle and must only be used on that vehicle. Only use jack for changing wheels.

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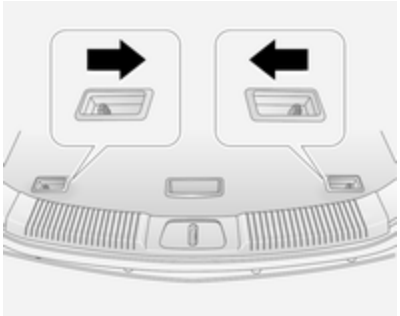
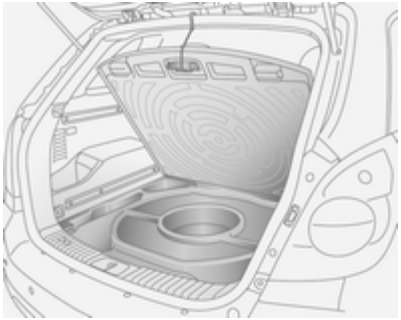
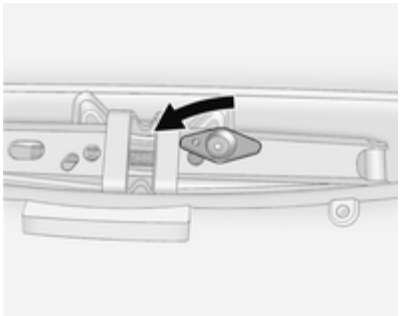


The jack and vehicle tools are in a storage compartment below the floor cover in the load compartment.

To remove the jack and vehicle tools, open the tailgate. Push both levers on the floor cover towards the handle and pull up the floor cover by the handle.

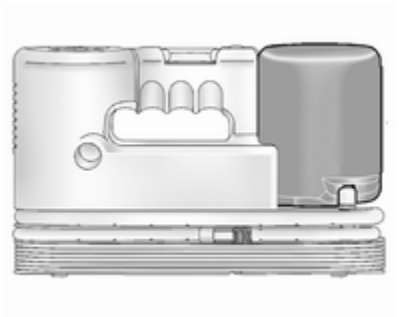


Hang the hook to the upper part of the tailgate opening.



Remove wing bolt from the jack by rotating it anticlockwise and remove the jack and wheel wrench bag. Remove straps holding the bag containing the wheel wrench. Remove wheel wrench from the bag.

Vehicles with tyre repair kit



In vehicles with a tyre repair kit, there may not be a jack and vehicle tool kit.

The tyre repair kit is in a storage compartment below the floor cover in the load compartment.

To remove the tyre repair kit, open the tailgate. Push both levers on the floor cover towards the handle and pull up

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the floor cover by the handle. Hang the hook to the upper part of the tailgate opening.

Caution
Do not allow objects to protrude above the top of the rear floor storage compartment, to avoid damage to the storage area and the load compartment floor.

Wheels and tyres

Tyre condition, wheel condition

Drive over edges slowly and at right angles if possible. Driving over sharp edges can cause tyre and wheel damage. Do not trap tyres on the kerb when parking.

Regularly check the wheels for damage. Seek the assistance of a workshop in the event of damage or unusual wear.

Tyres

Tyres of size 215/70 R 16 are recommended as winter tyres.

Winter tyres

Winter tyres improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels.

Tyres of size 215/70 R 16 are recommended as winter tyres.

In accordance with country-specific regulations, affix the speed sticker in the driver's field of view.

If winter tyres are installed that have not been approved for your vehicle, Electronic Stability Control (ESC) system performance may be affected ⇨ 133. Seek the assistance of a workshop regarding availability of approved winter tyres.

If winter tyres are in use, the temporary spare wheel may still be fitted with a summer tyre. Vehicle driveability could be affected, especially on slippery road surfaces. Spare wheel ⇨ 177.

Tyre designations

E.g. **235/65 R 17 104 H**

235 = Tyre width, in mm
65 = Cross-section ratio (tyre height to tyre width), %
R = Belt type: Radial
RF = Type: RunFlat
17 = Wheel diameter, in inches

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104 = Load index e.g. 91 is equivalent to 618 kg
H = Speed code letter

Speed code letter:

Q = up to 160 km/h
S = up to 180 km/h
T = up to 190 km/h
H = up to 210 km/h
V = up to 240 km/h
W = up to 270 km/h

Tyre pressure

Check the pressure of cold tyres at least every 14 days and before any long journey. Do not forget the spare wheel. This also applies to vehicles with tyre pressure monitoring system.

Use the valve cap key to make unscrewing the valve caps easier. The valve cap key is located on the inside of the tank flap.

Tyre pressure ⇨ 195.

The tyre pressure data refers to cold tyres. It applies to summer and winter tyres.

Always inflate the spare tyre to the pressure specified for full load.

Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

⚠Warning

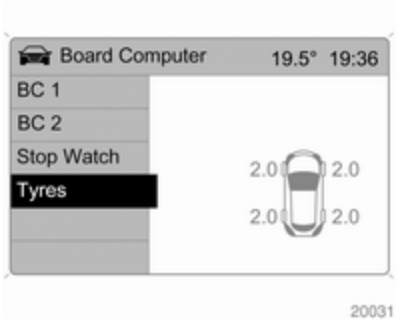
If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

If the tyre pressure shall be reduced or increased on a vehicle with tyre pressure monitoring system, switch off ignition.

Tyre pressure monitoring system

The tyre pressure monitoring system checks the pressure of all four wheels once per minute when vehicle speed exceeds a certain limit.

All wheels must be equipped with pressure sensors and the tyres must have the prescribed pressure. If wheels without sensors are mounted, the tyre pressure monitoring system is not operational. Retrofitting of sensors is possible.



The current tyre pressures can be shown in the menu item **Tyres** in the **Board Computer** menu. Press the **BC** button on the Infotainment system and select the menu item.

The tyre pressure monitoring system automatically detects the vehicle load. A message appears on the information display if inconsistent tyre

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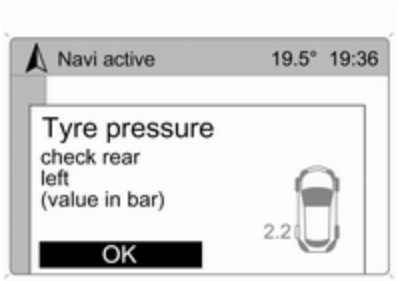
pressures are detected. In some versions, the message is displayed in abbreviated form.

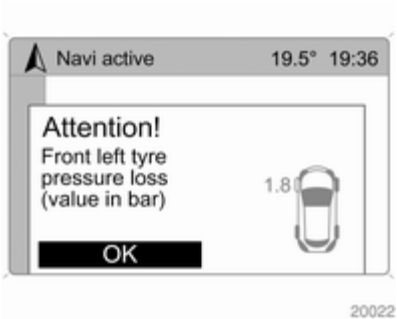
For example, the following messages can be displayed:



A graphic indicating the left rear tyre is shown together with the current tyre pressure; slight pressure deviation.

Reduce speed. Check tyre pressure at next opportunity with an appropriate gauge and correct if necessary.

On the Colour-Info-Display, this message will appear in yellow.



A graphic indicating the front left tyre is shown together with the current tyre pressure; significant pressure deviation or direct pressure loss.

Steer out of the flow of traffic as quickly as possible without endangering other vehicles. Stop and check the tyres. Mount the spare wheel if necessary ⇨ 175.

On the Colour-Info-Display, this message will appear in red.

Acknowledgement of warnings ⇨ 88, ⇨ 91.

Vehicle messages ⇨ 96.

If the tyre pressure is to be reduced or increased, switch off the ignition. Tyre pressures ⇨ 169, ⇨ 195.

External high-power radio equipment could disrupt the tyre pressure monitoring system.

The tyre pressure monitoring system valve cores and sealing rings must be replaced each time the tyres are changed.

Tread depth

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons at a tread depth of 2-3 mm (4 mm for winter tyres).

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The legally permissible minimum tread depth (1.6 mm) has been reached when the tread has worn down as far as one of the tread wear indicators (TWI). Their position is indicated by markings on the sidewall.

If there is more wear at the front than the rear, swap round front wheels and rear wheels. Ensure that the direction of rotation of the wheels is the same as before.

Tyres age, even if they are not used. We recommend tyre replacement every 6 years.

Changing tyre and wheel size

If tyres of a different size than those fitted at the factory are used, it may be necessary to reprogramme the speedometer as well as the nominal tyre pressure and make other vehicle modifications.

After converting to a different tyre size, have the label with tyre pressures replaced.

⚠Warning

Use of unsuitable tyres or wheels may lead to accidents and will invalidate the vehicle type approval.

If wheel rims of a different type are to be installed, the wheel nuts may also need to be changed. We recommend you consult your service partner.

Wheel covers

Wheel covers and tyres that are factory approved for the respective vehicle and comply with all of the relevant wheel and tyre combination requirements must be used.

If the wheel covers and tyres used are not factory approved, the tyres must not have a rim protection ridge.

Wheel covers must not impair brake cooling.

⚠Warning

Use of unsuitable tyres or wheel covers could lead to sudden pressure loss and thereby accidents.

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Tyre chains

Tyre chains are only permitted on the front wheels.

They must be fitted to the tyres symmetrically in order to achieve a concentric fit.

Always use fine mesh chains that add no more than 15 mm to the tyre tread and the inboard sides (including chain lock).

⚠Warning

Damage may lead to tyre blowout.

Tyre chains are permitted only on tyres of size 215/70 R 16. We recommend you consult your service partner.

The use of tyre chains is not permitted on the temporary spare wheel.

If the use of tyre chains is required after suffering a flat front tyre, fit the temporary spare wheel on the rear axle and transfer one of the rear wheels to the front axle.

Tyre repair kit

Minor damage to the tyre tread or sidewall can be repaired with the tyre repair kit.

Do not remove foreign bodies from the tyres.

Tyre damage exceeding 4 mm or that is at the tyre's sidewall near the rim cannot be repaired with the tyre repair kit.

In vehicles with a tyre repair kit, there may not be a jack and vehicle tool kit.

Vehicle tools ⇨ 166.

Temporary spare wheel ⇨ 177.

⚠Warning

Do not drive faster than 80 km/h.

Do not use for a lengthy period.

Steering and handling may be affected.

If you have a flat tyre:

Apply the electrical parking brake ⇨ 131 and engage first gear, reverse gear or **P**.

The tyre repair kit is in a storage compartment below the floor cover in the load compartment.

To remove the tyre repair kit, open the tailgate. Push both levers on the floor cover towards the handle and pull up the floor cover by the handle. Hang the hook to the upper part of the tailgate opening ⇨ 166.

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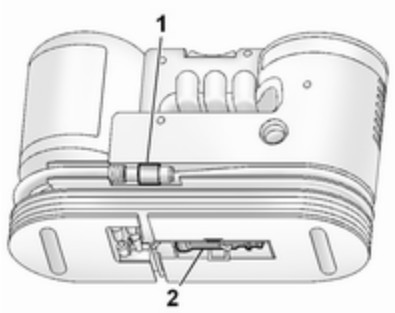
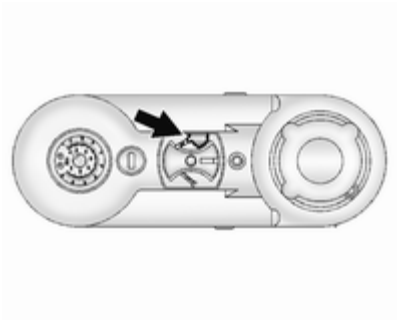
Caution

Do not allow objects to protrude above the top of the rear floor storage compartment, to avoid damage to the storage area and the load compartment floor.

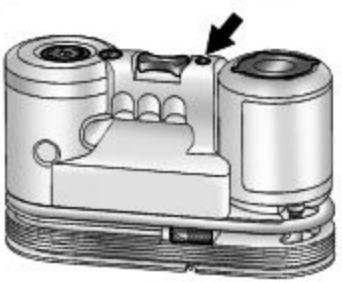


1. Release the sealant filler hose **1** and the power plug **2**.
2. Unscrew valve cap from defective tyre.

   Screw the sealant filler hose onto the tyre valve.
3. Connect the power plug to the power outlet or cigarette lighter socket. Unplug all items from other power outlets.
4. Switch on ignition. To avoid discharging the battery, we recommend running the engine.



5. Turn the selector switch anticlockwise to the **sealant** + **air** position.



6. Press the **on/off** button to turn the tyre repair kit on. The tyre is filled with sealant.

   The pressure gauge briefly shows a high pressure while the sealant canister is emptying. Then the pressure starts to drop.

   All of the sealant is pumped into the tyre. Then the tyre is inflated.
7. Inflate the tyre to the recommended inflation pressure using the pressure gauge. The prescribed tyre pressure should be obtained within 10 minutes ⇨ 195. When the correct pressure

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is obtained, switch off the compressor.

If the prescribed tyre pressure is not obtained within 10 minutes, remove the tyre repair kit. Move the vehicle one tyre rotation. Reattach the tyre repair kit and continue the filling procedure for 10 minutes. If the prescribed tyre pressure is still not obtained, the tyre is too badly damaged. Seek the assistance of a workshop.

Drain excess tyre pressure with the button next to the pressure gauge.

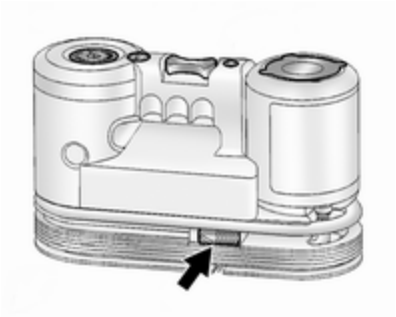
Do not run the compressor for longer than 10 minutes.

8. Detach the tyre repair kit and replace the tyre valve cap.
9. Remove any excess sealant using a cloth.

10. Take the label indicating maximum permitted speed from the sealant canister and affix in the driver's field of view.
11. Continue driving immediately so that sealant is evenly distributed in the tyre. After driving approx. 10 km (but no more than 10 minutes) stop and check tyre pressure.

    If the tyre pressure has fallen slightly, set it to the correct value. Repeat the procedure until there is no more loss of pressure.

    If the tyre pressure has fallen by more than 68 kPa (0.68 bar), the vehicle must not be driven. Seek the assistance of a workshop.



12. To adjust tyre pressure, screw compressor air hose (arrowed) directly onto tyre valve.

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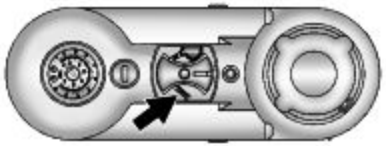

13. Turn the selector switch clockwise to the **air only** position. Switch on the compressor to inflate the tyre with air only.

Note
The driving characteristic of the repaired tyre is severely affected, therefore have this tyre replaced.

If unusual noise is heard or the compressor becomes hot, turn compressor off for at least 30 minutes.

Note the expiry date of the kit. After this date its sealing capability is no longer guaranteed. Pay attention to storage information on sealant canister.

Replace the used sealant canister. To remove sealant canister, release sealant filler hose and air hose, slide canister out of housing and unscrew hose from canister. Dispose of the canister as prescribed by applicable laws.

The accessory adapter supplied can be used to pump up other items e.g. footballs, air mattresses, inflatable dinghies etc. The adapter is located on the underside of the tyre repair kit.

Wheel changing

Some vehicles are equipped with a tyre repair kit instead of a spare wheel ⇨ 172.

Make the following preparations and observe the following information:

- Park the vehicle on a level, firm and non-slippery surface. The front wheels must be in the straight-ahead position.
- Apply the electrical parking brake ⇨ 131 and engage first gear, reverse gear or **P**.
- Remove the spare wheel ⇨ 177.
- Never change more than one wheel at a time.
- Block wheel diagonally opposite the wheel to be changed, by placing wedge blocks or equivalent in front and behind the wheel.
- Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tyre changes.
- Never exceed jack maximum working load (900 kg).
- If the ground on which the vehicle is standing is soft, a solid board (max. 1 cm thick) should be placed under the jack.

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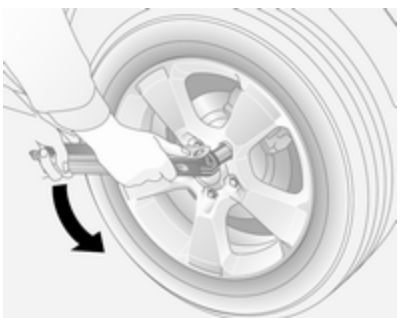
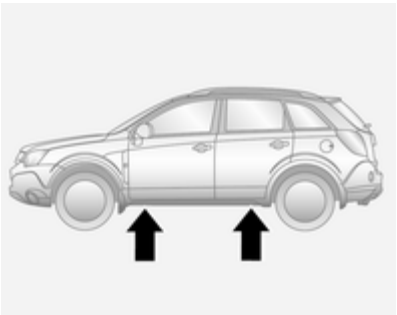
- Do not raise the vehicle more than is necessary to change a wheel.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.
- Do not start the engine when it is raised on the jack.
- Clean wheel nuts and thread before mounting the wheel.

⚠Warning

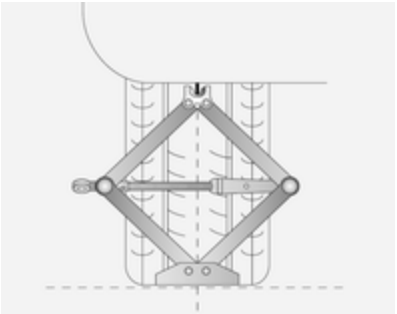
Do not grease wheel bolt, wheel nut and wheel nut cone.



1. Pull off the wheel cover.
2. Install the wheel wrench ensuring that it locates securely and loosen each wheel nut by one turn by turning anticlockwise.



3. The location of front and rear jacking points is indicated by notches on the bottom edge of the vehicle, under the doors.



4. Before positioning the jack, set it to the necessary height by rotating the eye by hand.

   Position jack at the jacking point located nearest to the wheel concerned so that the jack claw spans the vertical base. Ensure the jack is positioned correctly.

   The jack base must be on the ground directly below the jacking point in a manner that prevents it from slipping.

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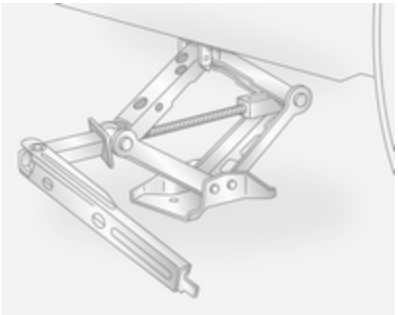
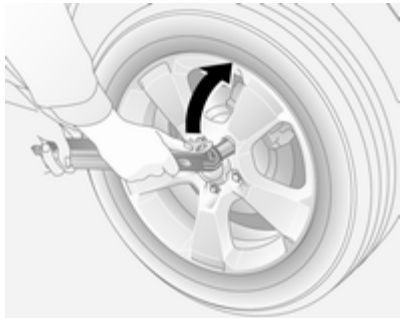


5. Attach wheel wrench to eye of threaded rod and rotate wrench clockwise to raise vehicle.

   If this is not the case, carefully lower the vehicle immediately and reposition the jack. Raise the vehicle until the wheel is just clear of the ground.
6. Unscrew wheel nuts completely and wipe clean with a cloth.

   Do not grease the threads. Put wheel nuts somewhere where the threads will not be soiled.
7. Change the wheel. Notes on spare wheel ⇨ 177.
8. Screw on the wheel nuts and tighten slightly by hand by turning clockwise until wheel is held against the hub.
9. Rotate wrench anticlockwise and lower vehicle to the ground.



10. Install the wheel wrench ensuring that it locates securely and tighten each wheel nut in a crosswise sequence. Tightening torque is 140 Nm.
11. Stow the replaced wheel ⇨ 177 and the vehicle tools ⇨ 166.
12. Check the tyre pressure of the installed tyre as soon as possible.

Have the defective tyre renewed and replace temporary spare wheel with a full specification wheel without delay.

Spare wheel

Temporary spare wheel

Some vehicles are equipped with a tyre repair kit instead of a spare wheel.

The temporary spare wheel is designed for use on your vehicle only.

Use of the temporary spare wheel could affect driveability, particularly if using winter tyres. Have the defective tyre renewed as soon as possible and have the wheel balanced and fitted to the vehicle.

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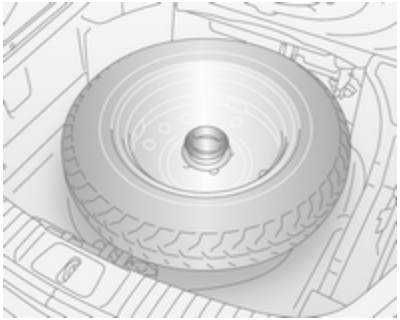

The temporary spare wheel is located in the load compartment below the floor cover and is secured with a screw-in retainer.

Push both levers on the floor cover towards the handle and pull up floor cover by the handle. Hang the hook to the upper part of the tailgate opening. Vehicle tools ⇨ 166.

Remove the retainer by rotating it anticlockwise and remove temporary spare wheel from the spare wheel well.

Only mount one temporary spare wheel. Do not drive faster than 80 km/h. Take curves slowly. Do not use for a long period of time.

When the temporary spare wheel is fitted, do not take the vehicle through an automatic vehicle wash with guide rails. The temporary spare wheel may get caught on the rails, causing damage to the tyre, wheel and other vehicle parts.

The use of tyre chains is not permitted on the temporary spare wheel.

Tyre chains ⇨ 172.

Directional tyres

Fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

The following applies to tyres fitted opposing the rolling direction:

- Driveability may be affected. Have the defective tyre renewed as soon as possible and have the wheel balanced and fitted to the vehicle.
- Do not drive faster than 80 km/h.
- Drive particularly carefully on wet and snow-covered road surfaces.

⚠ Warning

Storing a jack, a wheel or other equipment in the load compartment could cause injury if they are not fixed in place properly. During a sudden stop or a collision, loose equipment could cause personal injury or damage to the vehicle.

Always store the jack and vehicle tools in their respective storage compartments and secure them properly.

Always place the damaged wheel in the load compartment, secured in the spare wheel well with the screw-in retainer.

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Jump starting

Do not start with quick charger.

A vehicle with a discharged battery can be started using jump leads and the battery of another vehicle.

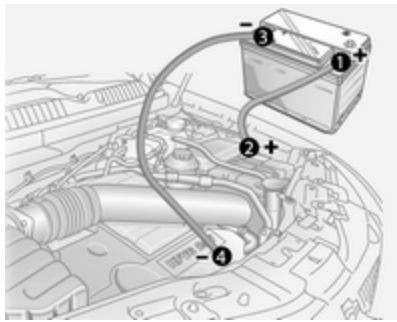
⚠Warning

Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

⚠Warning

Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

- Never expose the battery to naked flames or sparks.
- A discharged battery can already freeze at a temperature of 0 °C. Defrost the frozen battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a battery.
- Use a booster battery with the same voltage (12 Volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm^2 (25 mm^2 for diesel engines).
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical consumers. The Infotainment system may be damaged if switched on while jump starting.
- Do not lean over the battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the electrical parking brake ⇨ 131, transmission in neutral, automatic transmission in **P**.



Lead connection order:

1. Connect the red lead to the positive terminal **1** of the booster battery.
2. Connect the other end of the red lead to the positive terminal **2** of the discharged battery.

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3. Connect the black lead to the negative terminal **3** of the booster battery.
4. Connect the other end of the black lead to a vehicle grounding point, such as the engine block **4** or an engine mounting bolt. Connect as far away from the discharged battery as possible, however at least 60 cm.

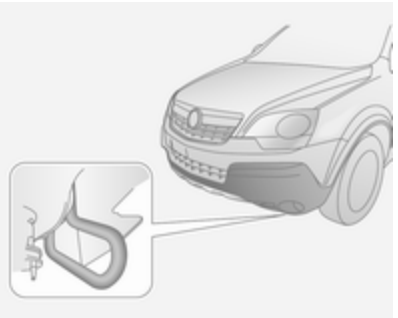
Route the leads so that they cannot catch on rotating parts in the engine compartment.

To start the engine:

1. Start the engine of the vehicle providing the jump start.
2. After 5 minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
3. Allow both engines to idle for approx. 3 minutes with the leads connected.
4. Switch on electrical consumers (e.g. headlights, heated rear window) of the vehicle receiving the jump start.
5. Operate discharged vehicle for approx. 20 minutes to allow for adequate battery recharging.
6. Reverse above sequence exactly when removing leads.

Towing

Towing the vehicle



The towing eye is located under the front bumper.

Attach a tow rope - or better still a tow rod - to the front towing eye, never to the bumper or front suspension units.

Do not tow the vehicle from the rear. The front towing eye must only be used for towing and not recovering a vehicle.

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Switch on ignition to release steering wheel lock and to permit operation of brake lights, horn and windscreen wiper.

Transmission in neutral.

Switch on the hazard warning lights on both vehicles.

Turn key to ignition switch position ACC and release the electrical parking brake before towing the vehicle.

Caution
Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

When the engine is not running, considerably more force is needed to brake and steer.

Keep tow rope clear of front bumper, and ensure it is securely fixed to the towing eye at both ends. Pull on the tow rope to check.

To prevent the entry of exhaust fumes from the towing vehicle, switch on the air recirculation system ⇨ 114 and close the windows.

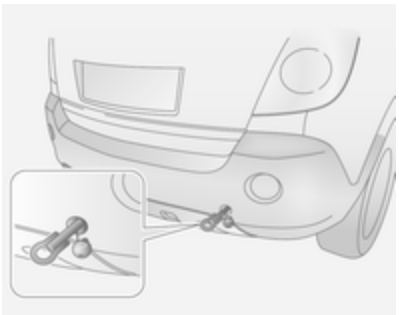
Vehicles with manual transmission and All-wheel drive: If the vehicle is towed with all four wheels on the ground then there are no technical limitations for speed and distance. If only one axle has been raised, the maximum speed is 50 km/h. There is no distance limitation.

Vehicles with automatic transmission and Front-wheel drive: The vehicle must be towed facing forwards, not faster than 80 km/h nor further than 100 km. In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Vehicles with automatic transmission and All-wheel drive: The vehicle must be towed facing forwards. If the vehicle is towed with all four wheels on the ground, the maximum speed is 50 km/h and for a maximum of 50 km. If the front axle has been raised, the maximum speed is 50 km/h. There is no distance limitation.

Seek the assistance of a workshop.

Towing another vehicle



Remove the cover located on the rear bumper by pressing the lower part of the cover.

The rear towing eye attachment is stored below the floor cover in the load compartment.

Screw the rear towing eye attachment anticlockwise using a suitable screwdriver, until it is firmly in place and stops in a horizontal position.

Attach a tow rope – or better still a tow rod – to the rear towing eye.

The towing eye must only be used for towing and not for recovering a vehicle.

Caution
Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

To prevent damage, do not take up slack in the tow rope too quickly.

After towing, unscrew the rear towing eye attachment clockwise to remove, and reinstall the cover.

Appearance care

Exterior care

Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using de-icing agent, have the locks regreased by a workshop.

Washing

The paintwork of your vehicle is exposed to environmental influences. Wash and wax your vehicle regularly. When using automatic car washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage.

If using a car wash, comply with the car wash manufacturer's instructions. The windscreen wiper and rear window wiper must be switched off. Remove antenna and external accessories such as roof racks etc.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Have the door hinges of all doors greased by a workshop.

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and leather-off the vehicle. Rinse leather frequently. Use separate leathers for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

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Exterior lights

Headlight and other light covers are made of plastic. Do not use any abrasive or caustic agents, do not use an ice scraper, and do not clean them dry.

Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads). Otherwise, the paintwork will dry out.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

When cleaning the rear window, make sure the heating element inside is not damaged.

For mechanical removal of ice, use a sharp-edged ice scraper. Press the scraper firmly against the glass so that no dirt can get under it and scratch the glass.

Clean smearing wiper blades with a soft cloth and window cleaner.

Sunroof

Never clean with solvents or abrasive agents, fuels, aggressive media (e.g. paint cleaner, acetone-containing solutions etc.), acidic or highly alkaline media or abrasive pads. Do not apply wax or polishing agents to the sunroof.

Wheels and tyres

Do not use high-pressure jet cleaners.

Clean rims with a pH-neutral wheel cleaner.

Rims are painted and can be treated with the same agents as the body.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms. Have more extensive damage or rust areas repaired by a workshop.

Underbody

Some areas of the vehicle underbody have a PVC undercoating while other critical areas have a durable protective wax coating.

After the underbody is washed, check the underbody and have it waxed if necessary.

Bitumen/rubber materials could damage the PVC coating. Have underbody work carried out by a workshop.

Before and after winter, wash the underbody and have the protective wax coating checked.

Engine compartment

It is advisable to wash the engine compartment before and after winter and preserve it with wax. Protect the

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alternator and brake fluid reservoir with plastic sheets before washing the engine.

When washing the engine with a steam-jet cleaner, do not direct the steam jet towards components of the antilock brake system, air conditioning system or the belt drive and its components.

After an engine wash, have all engine compartment components preserved thoroughly by a workshop using protective wax.

Do not use high-pressure jet cleaners.

Towing equipment

Do not clean the coupling ball bar with a steam-jet or high-pressure jet cleaner.

Rear carrier system

Clean the rear carrier system with a steam-jet or high-pressure jet cleaner at least once a year.

Operate the rear carrier system once in a while if not in regular use, in particular during winter.

Interior care

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

Clean the leather upholstery with clear water and a soft cloth. In case of heavy soiling, use leather care.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clean seat belts with lukewarm water or interior cleaner.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery. The same applies to clothing with sharp-edged objects, like zips or belts or studded jeans.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high-pressure jet cleaners.

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Service and maintenance

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General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

The detailed, up-to-date service schedule for the vehicle is available at the workshop.

European service intervals

Main service

Maintenance of your vehicle is required every 30,000 km or after 1 year, whichever occurs first.

The European service intervals are valid for the following countries:

Andorra, Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Greenland, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.

International service intervals

Main Service

Due every 15,000 km or 1 year, whichever occurs first.

The international service intervals are valid for the countries which are not listed in the European service intervals.

Confirmations

Confirmation of service is recorded in the Service and Warranty Booklet. The date and mileage is completed with the stamp and signature of the servicing workshop.

Make sure that the Service and Warranty Booklet is completed correctly as continuous proof of service is essential if any warranty or goodwill claims are to be met, and is also a benefit when selling the vehicle.

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Recommended fluids, lubricants and parts

Recommended fluids and lubricants

Only use products that have been tested and approved. Damage resulting from the use of non-approved materials will not be covered by the warranty.

⚠Warning

Operating materials are hazardous and could be poisonous. Handle with care. Pay attention to information given on the containers.

Engine oil

Engine oil is identified by its quality and its viscosity. Quality is more important than viscosity when selecting which engine oil to use.

The oil quality ensures e.g. engine cleanliness, wear protection and oil aging control, whereas viscosity grade gives information on the oil's thickness over a temperature range

Dexos is the newest engine oil quality that provides optimum protection for petrol and diesel engines. If it is unavailable, engine oils of other listed qualities must be used.

Engine oil quality for European service schedules

Dexos 2 = Petrol and diesel engines

Alternative quality if Dexos 2 is not available:

GM-LL-A-025 = Petrol engines
GM-LL-B-025 = Diesel engines without DPF
ACEA-C3 = Diesel engines with DPF

Engine oil quality for international service schedules

Dexos 2 = Petrol and diesel engines

Alternative quality if Dexos 2 is not available:

ACEA-A3 = Petrol engines
ACEA-B3/B4 = Diesel engines without DPF
ACEA-C3 = Diesel engines with DPF

Topping up engine oil

Engine oils of different manufacturers and brands can be mixed as long as they comply with the required engine oil quality and viscosity.

If engine oil of the required quality is not available, a maximum of 1 litre of ACEA A3/B4 or A3/B3 grade oil may be used (only once between each oil change). The viscosity should be one of the below listed viscosity grades.

Use of engine oil with only ACEA A1/B1 or only A5/B5 quality is prohibited, since it can cause long-term engine damage under certain operating conditions.

Additional engine oil additives

The use of additional engine oil additives could cause damage and invalidate the warranty.

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Engine oil viscosity

Use only engine oil viscosities SAE 0W-30, 0W-40, 5W-30 or 5W-40.

The SAE viscosity grade gives information of the thickness of the oil.

Multigrade oil is indicated by two figures. The first figure, followed by a W, indicates low temperature viscosity and the second figure the high temperature viscosity.

Select the appropriate viscosity grade depending on the minimum ambient temperature. All of the recommended viscosity grades are suitable for high ambient temperatures.

- down to -25°C:

  SAE 5W-30 or SAE 5W-40
- below -25°C:

  SAE 0W-30 or SAE 0W-40

Coolant and antifreeze

Use only silicate-free long life coolant (LLC) antifreeze.

The system is factory filled with coolant designed for excellent corrosion protection and frost protection down to approx. -28 °C. This concentration should be maintained all year round.

The use of additional coolant additives that intend to give additional corrosion protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of additional coolant additives will be rejected.

Brake and clutch fluid

Only use high-performance DOT4 brake fluid approved for the vehicle. Consult your workshop.

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

Brake fluid should be stored in a sealed container to avoid water absorption.

Ensure brake fluid does not become contaminated.

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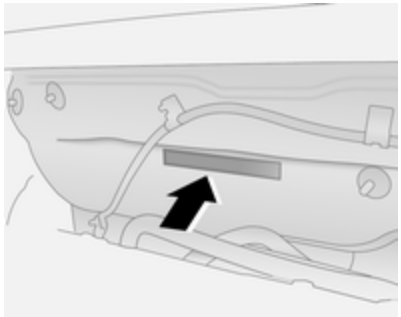
Vehicle identification

Vehicle Identification Number

The Vehicle Identification Number is visible through the windscreen.



The Vehicle Identification Number is also engraved on the top right-hand side of the bulkhead near the centre of the engine firewall.

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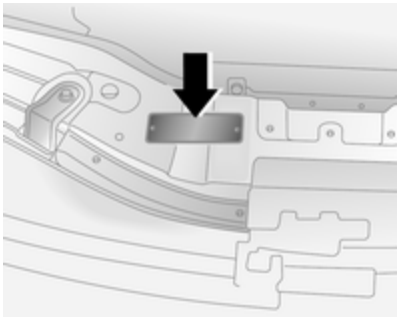
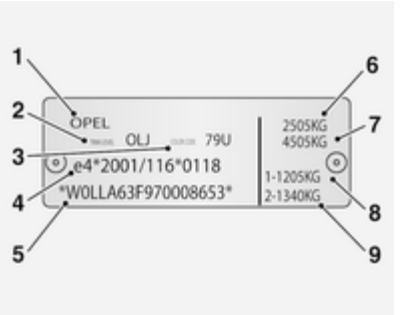
Identification plate



The identification plate is attached to the top of the front panel support, visible when the bonnet is open.



Information on identification plate[1]:

1 = Manufacturer
2 = Trim level
3 = Colour code
4 = Type approval number
5 = Vehicle Identification Number
6 = Permissible gross vehicle weight
7 = Permissible gross train weight
8 = Maximum permissible front axle load
9 = Maximum permissible rear axle load

The combined total of front and rear axle loads must not exceed the permissible gross vehicle weight. For example, if the front axle is bearing its maximum permissible load, the rear axle can only bear a load that is equal to the gross vehicle weight minus the front axle load.

The technical data is determined in accordance with European Community standards. We reserve the right to make modifications. Specifications in the vehicle documents always have priority over those given in this manual.

[1] The identification plate on your vehicle may differ from the illustration shown.

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Vehicle data
Engine data

Sales designation	2.4	3.0 V6	2.2 CDTI	2.2 CDTI
Engine identifier code	**A 24 XE**	**A 30 XH**	**A 22 DM**	**A 22 DMH**
Number of cylinders	4	6	4	4
Piston displacement [cm^3]	2384	2997	2231	2231
Engine power [kW]	126	188	120	135
at rpm	6400	6900	3800	3800
Torque [Nm]	217	287	350	400
at rpm	4500	5400	2000	2000
Fuel type	Petrol	Petrol	Diesel	Diesel
Cetane requirement [CN]	–	–	49 (D)	49 (D)
Octane rating [RON] recommended	**95**	**95**	–	–
possible	91[2)]	91 [2)]	–	–
Oil consumption [l/1000 km]	0.6	0.6	0.6	0.6

[2)] Use of 91 RON fuel reduces power and torque. If no unleaded Premium fuel is available, 91 RON can be used, taking care to avoid high engine load or full load as well as driving in mountainous terrain with a trailer load or high payload.

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Performance

All-wheel drive

Engine	A 24 XE	A 30 XH	A 22 DM	A 22 DMH
Maximum speed[3] [km/h]				
Manual transmission	186	–	188	200
Automatic transmission	175	198	182	191

Front-wheel drive

Engine	A 24 XE	A 30 XH	A 22 DM	A 22 DMH
Maximum speed[3] [km/h]				
Manual transmission	190	–	189	–
Automatic transmission	–	–	184	–

[3] The maximum speed indicated is achievable at kerb weight (without driver) plus 200 kg payload. Optional equipment could reduce the specified maximum speed of the vehicle.

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Fuel consumption - CO_2-emissions

All-wheel drive

Manual transmission / Automatic transmission.

Engine	A 24 XE	A 30 XH	A 22 DM	A 22 DMH
urban [l/100 km]	12.2 / 12.8	- / 15.9	4)	4)
extra-urban [l/100 km]	7.4 / 7.3	- / 7.9	4)	4)
total [l/100 km]	9.1 / 9.3	- / 10.9	4)	4)
CO_2 [g/km]	213 / 219	- / 255	4)	4)

Front-wheel drive

Manual transmission / Automatic transmission.

Engine	A 24 XE	A 30 XH	A 22 DM	A 22 DMH
urban [l/100 km]	11.7 / -	- / -	4)	- / -
extra-urban [l/100 km]	7.1 / -	- / -	4)	- / -
total [l/100 km]	8.8 / -	- / -	4)	- / -
CO_2 [g/km]	206 / -	- / -	4)	- / -

4) Value was not available at time of printing.

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Vehicle weight

Kerb weight, basic model without any optional equipment

Manual transmission / Automatic transmission.

Engine	All-wheel drive	Front-wheel drive
A 24 XE	1825-1885 / 1845-1905	1750-1810 / -
A 30 XH	- / 1875-1935	- / -
A 22 DM	1911-1971 / 1936-1996	1836-1896 / 1861-1921
A 22 DMH	1911-1971 / 1936-1996	- / -

Vehicle dimensions

Length [mm]	4596
Width [mm]	1850
Height with roof rails [mm]	1761
Height without roof rails [mm]	1717
Wheelbase [mm]	2707
Track width [mm] Front	1562
Rear	1572

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Turning circle diameter, wall to wall [m]	12.78
Turning circle diameter, kerb to kerb [m]	11.87
Maximum wading depth [mm] (at 5 km/h)	450
Approach angle	20°
Ramp angle	18°
Departure angle	24°

Capacities

Engine oil

Engine	A 24 XE	A 30 XH	A 22 DM	A 22 DMH
including filter [l]	4.7	5.7	5.6	5.6
between MIN and MAX [l]	1.0	1.0	1.0	1.0

Fuel tank

Petrol/diesel, nominal capacity [l]	65

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Tyre pressures

Engine	Tyres	Up to full load		Up to full load ECO		Trailer towing	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
All	215/70 R 16[5)], 235/60 R 17, 235/65 R 17, 235/55 R 18, 235/50 R 19	240/2.4 (35)	240/2.4 (35)	260/2.6 (38)	260/2.6 (38)	240/2.4 (35)	280/2.8 (41)
	T 155/90 R 16 (Temporary spare)	420/4.2 (60)	420/4.2 (60)	–	–	420/4.2 (60)	420/4.2 (60)

5) Winter tyres

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Towing hitch installation dimensions

Dimension	mm
A	416
B	507
C	482
D	734
E	1039
F (fully laden)	353
G (at kerb weight)	44+

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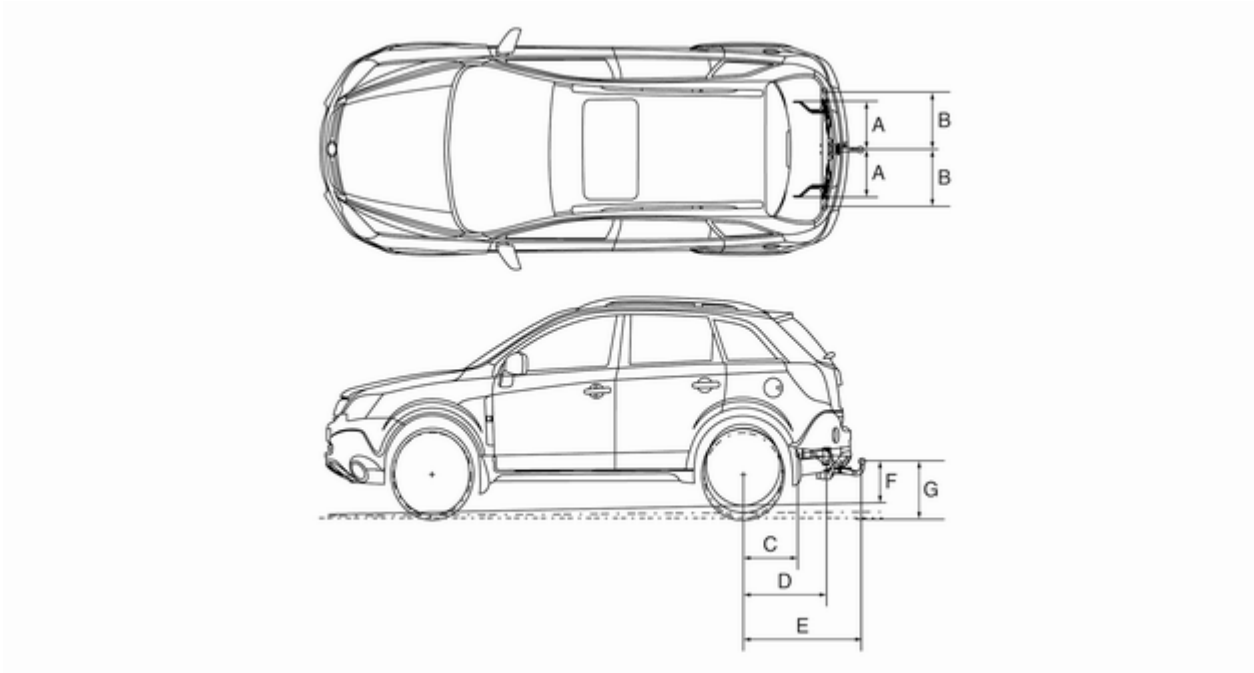

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Vehicle data recording and privacy

Event data recorders

The vehicle has a number of sophisticated systems that monitor and control several vehicle data. Some data may be stored during regular operation to facilitate repair of detected malfunctions, other data is stored only in a crash or near crash event by systems commonly called event data recorders (EDR).

The systems may record data about the condition of the vehicle and how it was operated (e.g. engine speed, brake application, seat belt usage). To read this data special equipment and access to the vehicle is required. This will take place when the vehicle is serviced in a workshop. Some data is electronically fed into GM global diagnostic systems. The manufacturer will not access information about a crash event or share it with others except:

- with the consent of the vehicle owner or, if the vehicle is leased, with the consent of the lessee,
- in response to an official request of police or similar government office,
- as part of the manufacturer's defence in case of legal proceedings,
- as required by law.

In addition, the manufacturer may use the collected or received data

- for the manufacturer's research needs,
- to make it available for research needs where appropriate confidentiality is maintained and need is shown,
- to share summary data which is not tied to a specific vehicle with other organisations for research purposes.

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